

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008971.D
 Acq On : 15 Apr 2019 19:29
 Operator : JC/SP
 Sample : K2385-10MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

Quant Time: Apr 16 03:25:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	205160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	159501	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
35) Dibromofluoromethane	5.50	113	118159	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
50) Toluene-d8	8.71	98	477212	55.47	ug/l	0.00
Spiked Amount			Recovery	=	110.94%	
62) 4-Bromofluorobenzene	11.13	95	165919	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	134338	56.849	ug/l	100
3) Chloromethane	1.32	50	159374	54.936	ug/l	99
4) Vinyl Chloride	1.41	62	152540	54.023	ug/l	100
5) Bromomethane	1.64	94	92712	52.247	ug/l	99
6) Chloroethane	1.71	64	91106	54.871	ug/l	96
7) Trichlorofluoromethane	1.93	101	176301	53.478	ug/l	98
8) Diethyl Ether	2.19	74	79999	53.061	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110467	52.408	ug/l	100
10) Methyl Iodide	2.51	142	129586	55.679	ug/l	99
11) Tert butyl alcohol	3.05	59	159541	248.588	ug/l	99
12) 1,1-Dichloroethene	2.37	96	115709	52.593	ug/l	96
13) Acrolein	2.29	56	130710	235.713	ug/l	100
14) Allyl chloride	2.73	41	262823	54.755	ug/l	99
15) Acrylonitrile	3.14	53	431987	265.158	ug/l	100
16) Acetone	2.45	43	358675	239.220	ug/l	99
17) Carbon Disulfide	2.57	76	341513	52.753	ug/l	99
18) Methyl Acetate	2.78	43	180530	48.244	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	427925	54.588	ug/l	99
20) Methylene Chloride	2.85	84	131889	51.437	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	122593	52.241	ug/l	98
22) Diisopropyl ether	3.85	45	510658	54.749	ug/l	98
23) Vinyl Acetate	3.81	43	2175354	265.322	ug/l	99
24) 1,1-Dichloroethane	3.70	63	252757	53.984	ug/l	99
25) 2-Butanone	4.67	43	627414	261.791	ug/l	99
26) 2,2-Dichloropropane	4.58	77	175713	50.066	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	150303	56.413	ug/l	99
28) Bromochloromethane	5.01	49	117880	61.041	ug/l	100
29) Tetrahydrofuran	5.13	42	421575	262.811	ug/l	100
30) Chloroform	5.21	83	227756	54.360	ug/l	99
31) Cyclohexane	5.58	56	249287	54.133	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	189266	54.504	ug/l	100
36) 1,1-Dichloropropene	5.80	75	178571	51.370	ug/l	99
37) Ethyl Acetate	4.84	43	233186	52.132	ug/l	99
38) Carbon Tetrachloride	5.79	117	158987	53.949	ug/l	98

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 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	222111	52.479	ug/l	97
40) Benzene	6.14	78	548099	53.448	ug/l	100
41) Methacrylonitrile	5.04	41	137386	53.516	ug/l	99
42) 1,2-Dichloroethane	6.19	62	192319	52.941	ug/l	100
43) Isopropyl Acetate	6.45	43	380770	52.824	ug/l	100
44) Trichloroethene	7.21	130	133058	52.955	ug/l	99
45) 1,2-Dichloropropane	7.51	63	154151	54.184	ug/l	99
46) Dibromomethane	7.66	93	87458	52.822	ug/l	99
47) Bromodichloromethane	7.90	83	177158	54.553	ug/l	97
48) Methyl methacrylate	7.77	41	196755	55.242	ug/l	99
49) 1,4-Dioxane	7.74	88	61829	927.476	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1223913	266.519	ug/l	99
52) Toluene	8.79	92	327052	53.214	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	206912	55.363	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	226430	54.108	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	131301	53.904	ug/l	97
56) Ethyl methacrylate	9.18	69	239128	54.750	ug/l	99
57) 1,3-Dichloropropane	9.37	76	232712	53.658	ug/l	99
59) 2-Hexanone	9.49	43	914557	258.312	ug/l	100
60) Dibromochloromethane	9.58	129	130089	55.724	ug/l	100
61) 1,2-Dibromoethane	9.67	107	134576	53.531	ug/l	99
64) Tetrachloroethene	9.34	164	145468	64.254	ug/l	99
65) Chlorobenzene	10.13	112	330003	52.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	121785	54.958	ug/l	99
67) Ethyl Benzene	10.25	91	617690	53.718	ug/l	99
68) m/p-Xylenes	10.36	106	444573	106.384	ug/l	100
69) o-Xylene	10.69	106	215491	52.996	ug/l	99
70) Styrene	10.71	104	367109	52.099	ug/l	99
71) Bromoform	10.85	173	95663	54.187	ug/l #	98
73) Isopropylbenzene	11.02	105	574047	55.468	ug/l	100
74) N-amyl acetate	10.90	43	310717	52.289	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	203055	53.699	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	244632	73.377	ug/l	79
77) Bromobenzene	11.26	156	138915	53.200	ug/l	100
78) n-propylbenzene	11.36	91	659048	55.482	ug/l	99
79) 2-Chlorotoluene	11.42	91	389075	54.355	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	480849	55.368	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	71388	54.972	ug/l	97
82) 4-Chlorotoluene	11.51	91	448471	53.947	ug/l	100
83) tert-Butylbenzene	11.77	119	456425	54.740	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	487723	55.171	ug/l	99
85) sec-Butylbenzene	11.94	105	546784	54.984	ug/l	99
86) p-Isopropyltoluene	12.06	119	495345	54.179	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	242007	52.954	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	241556	52.140	ug/l	99
89) n-Butylbenzene	12.38	91	459320	53.944	ug/l	100
90) Hexachloroethane	12.60	117	84894	56.291	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	238705	52.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44910	52.163	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	167186	51.320	ug/l	100

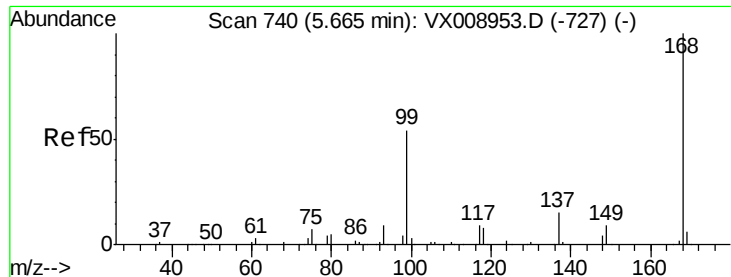
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 02:27:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	82011	50.475	ug/l	99
95) Naphthalene	13.83	128	547746	52.481	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	165761	51.570	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

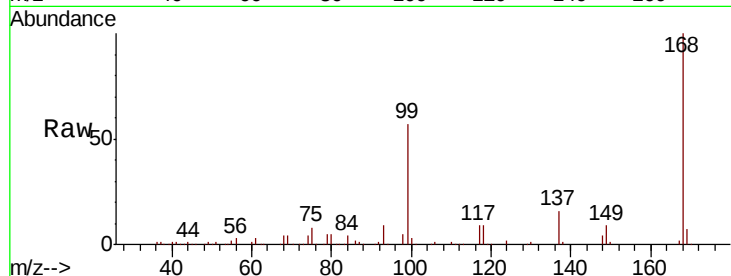
M-16-190410MSD

Tot Ion:168 Resp: 205160

Ion Ratio Lower Upper

168 100

99 56.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

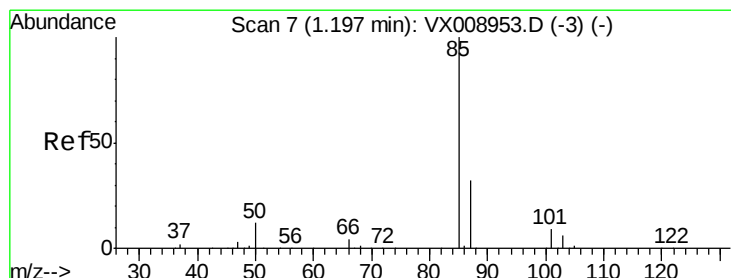
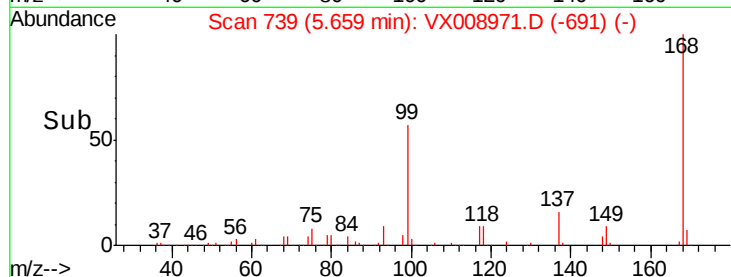
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 56.849 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008971.D

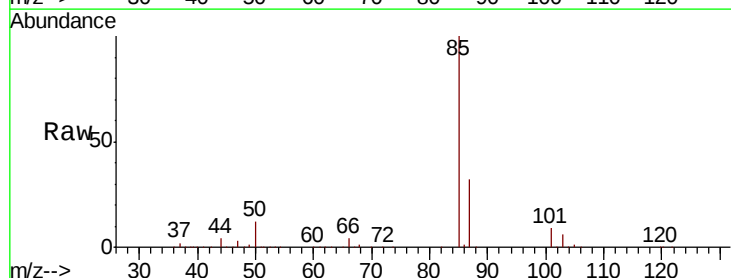
Acq: 15 Apr 2019 19:29

Tgt Ion: 85 Resp: 134338

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

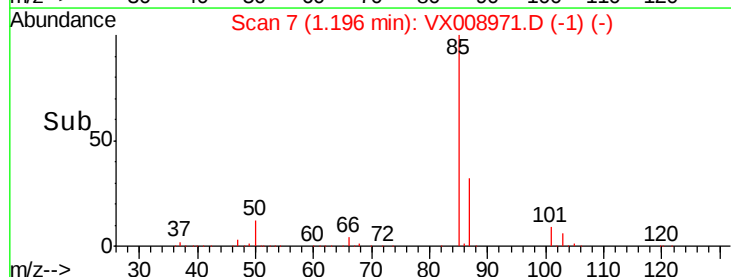
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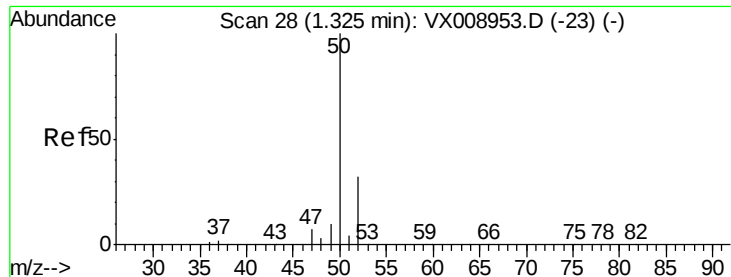
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 54.936 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

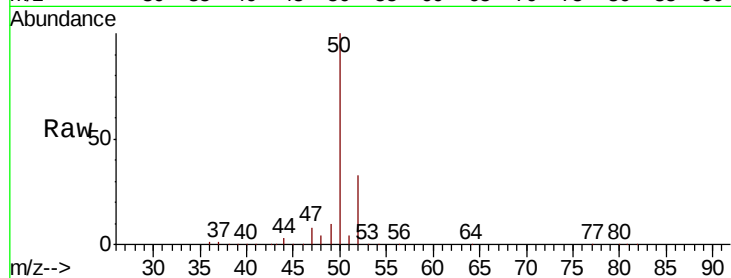
M-16-190410MSD

Tot Ion: 50 Resp: 159374

Ion Ratio Lower Upper

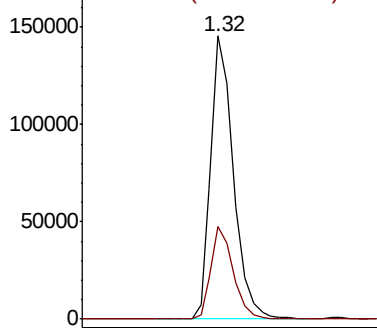
50 100

52 32.6 25.5 38.3

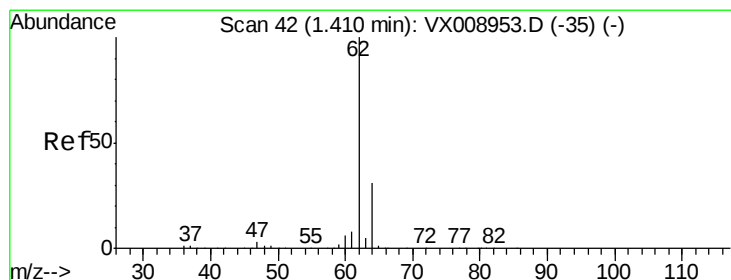
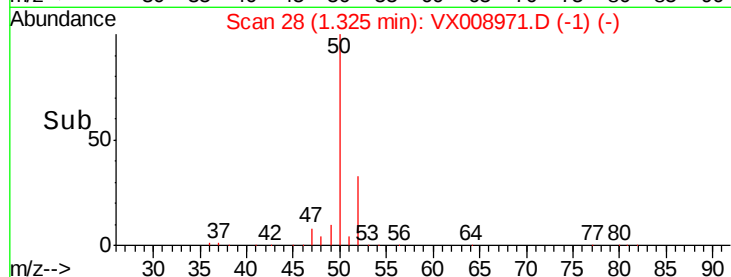


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 54.023 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008971.D

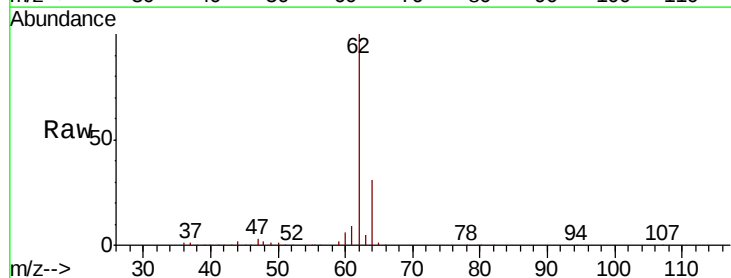
Acq: 15 Apr 2019 19:29

Tgt Ion: 62 Resp: 152540

Ion Ratio Lower Upper

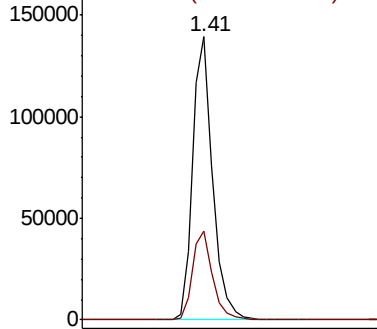
62 100

64 31.4 25.0 37.4

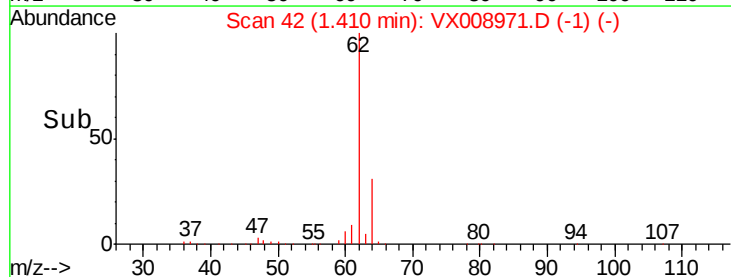


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 52.247 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

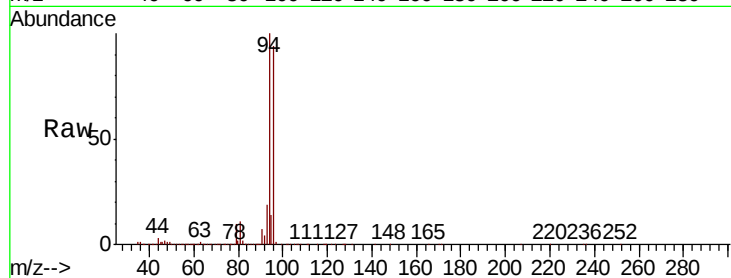
M-16-190410MSD

Tot Ion: 94 Resp: 92712

Ion Ratio Lower Upper

94 100

96 93.7 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

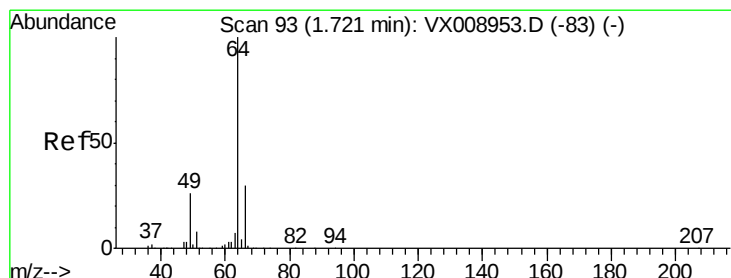
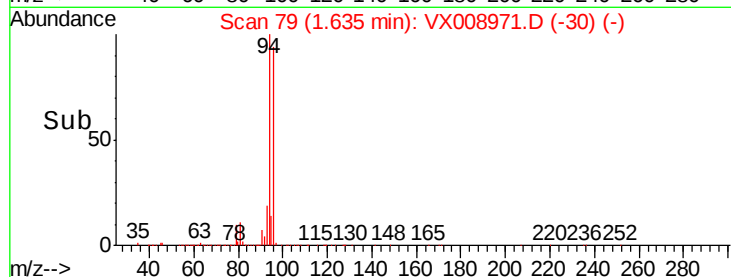
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 54.871 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008971.D

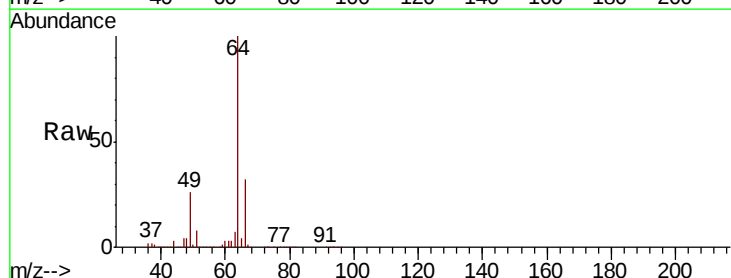
Acq: 15 Apr 2019 19:29

Tgt Ion: 64 Resp: 91106

Ion Ratio Lower Upper

64 100

66 32.4 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

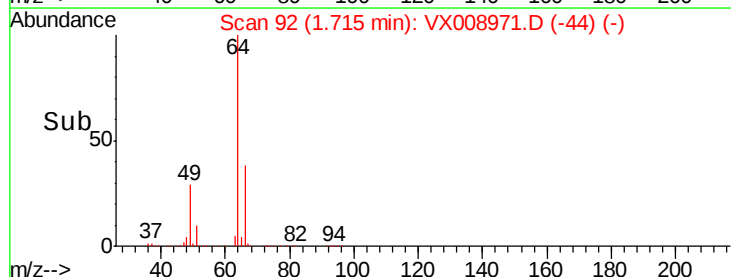
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40000

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Time-->



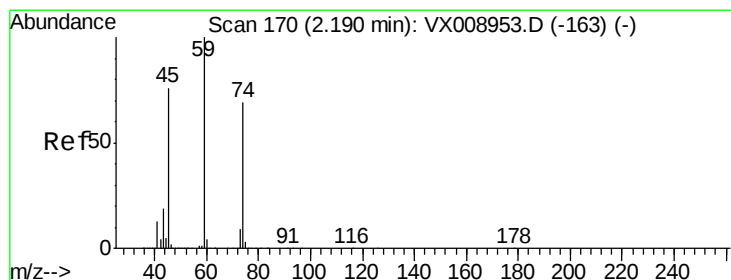
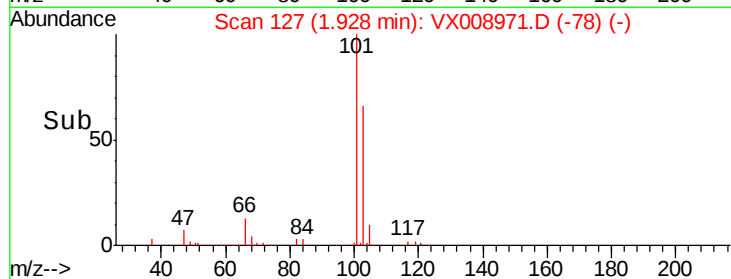
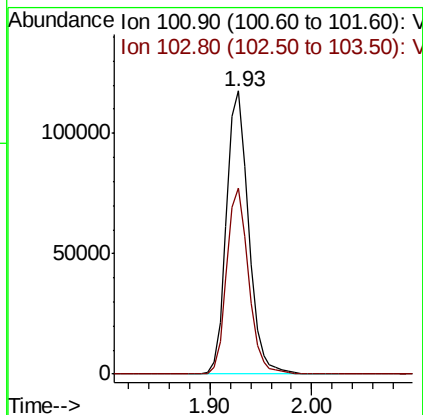
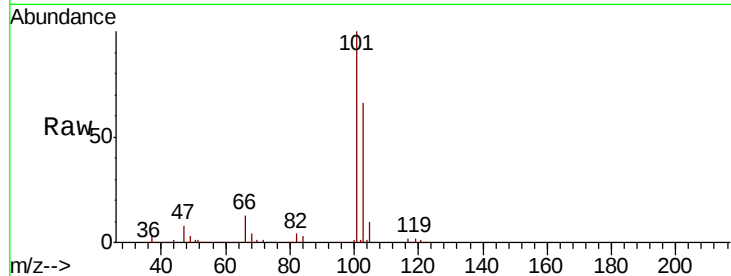


#7

Trichlorofluoromethane
 Concen: 53.478 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

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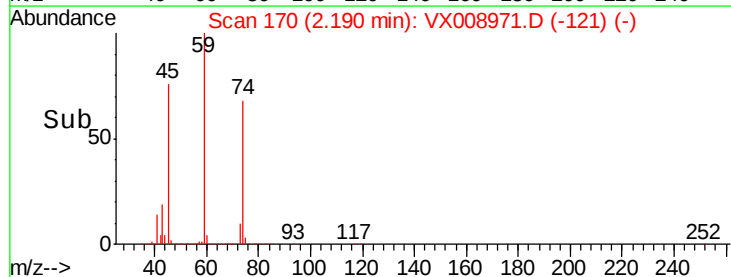
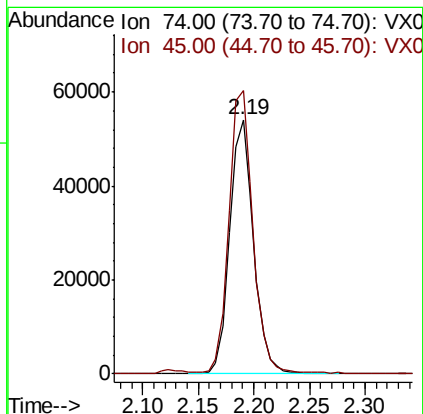
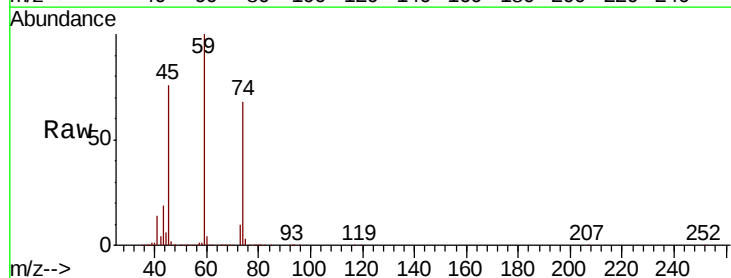
Tot Ion:101 Resp: 176301
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.0 76.6



#8

Diethyl Ether
 Concen: 53.061 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion: 74 Resp: 79999
 Ion Ratio Lower Upper
 74 100
 45 110.4 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.408 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

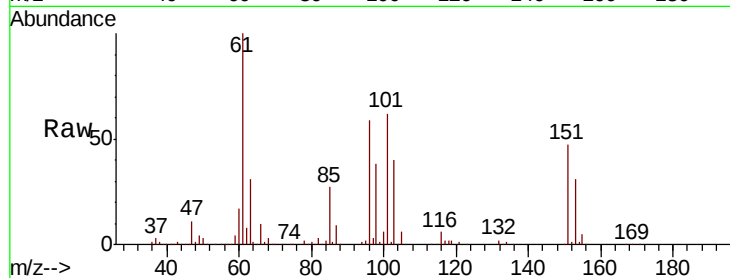
Tot Ion:101 Resp: 110467

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

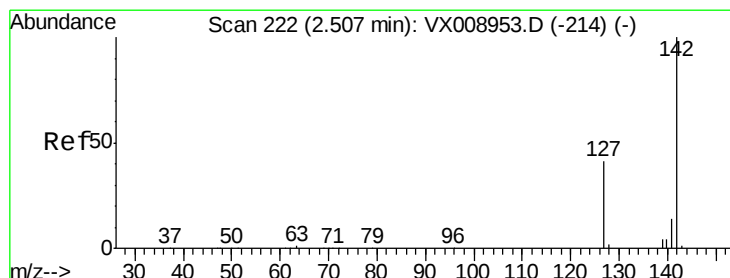
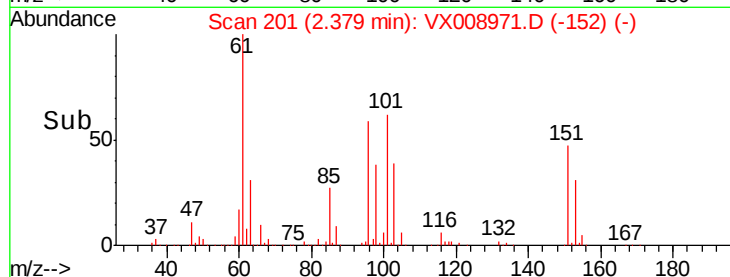
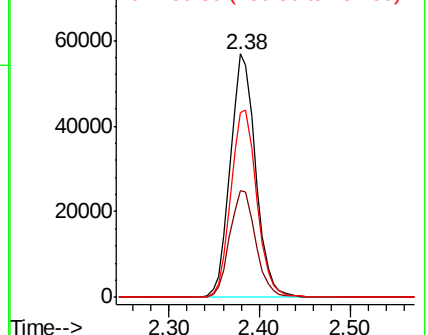
151 78.7 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.679 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

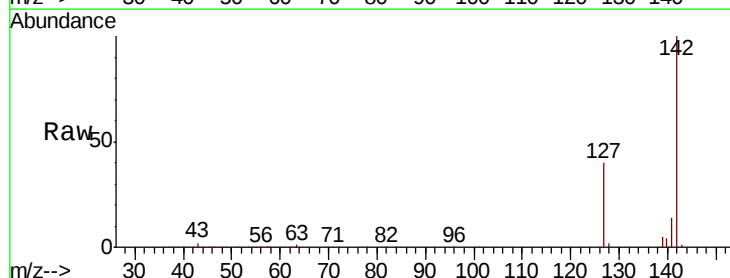
Tgt Ion:142 Resp: 129586

Ion Ratio Lower Upper

142 100

127 40.2 32.8 49.2

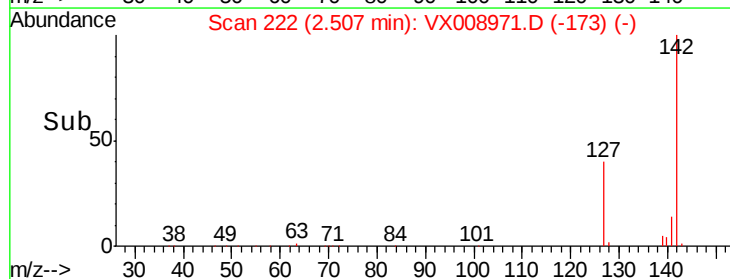
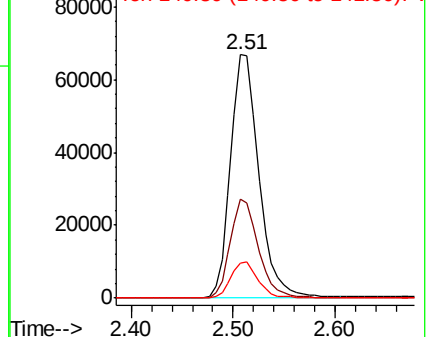
141 14.3 11.4 17.2

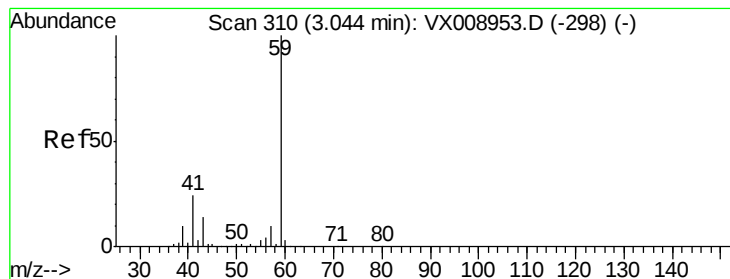


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



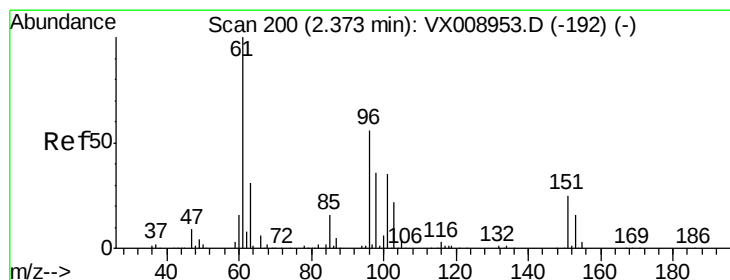
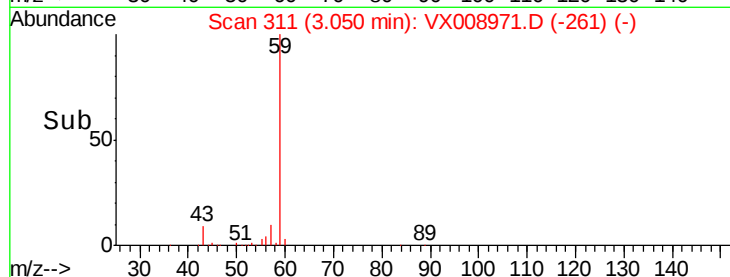
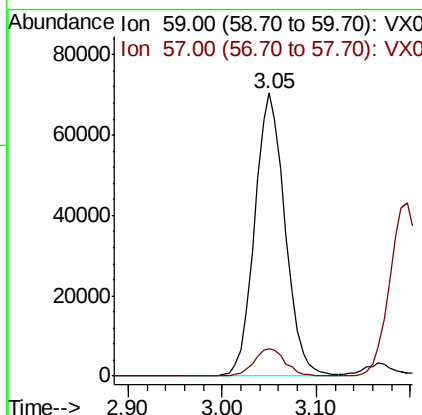
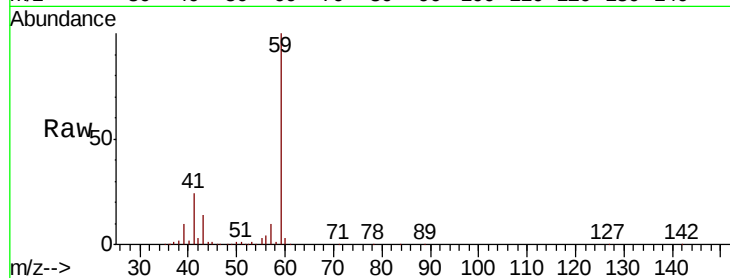


#11

Tert butyl alcohol
 Concen: 248.588 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

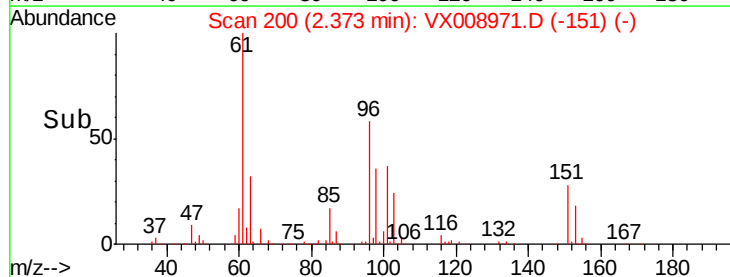
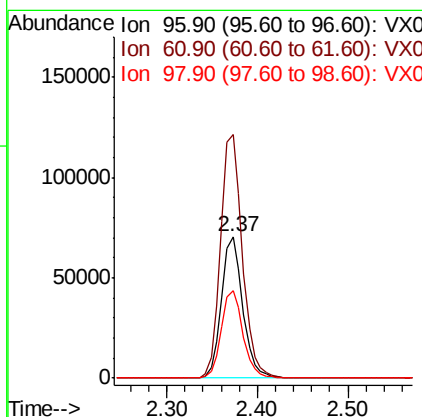
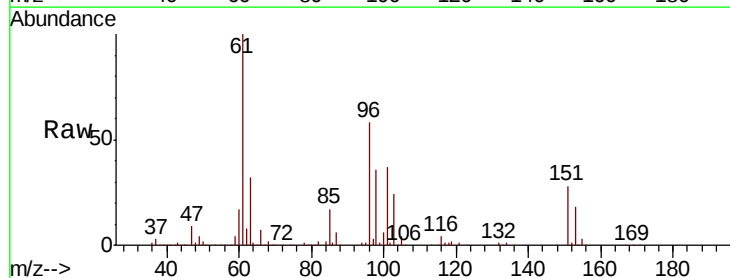
Tot Ion: 59 Resp: 159541
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.4 12.6

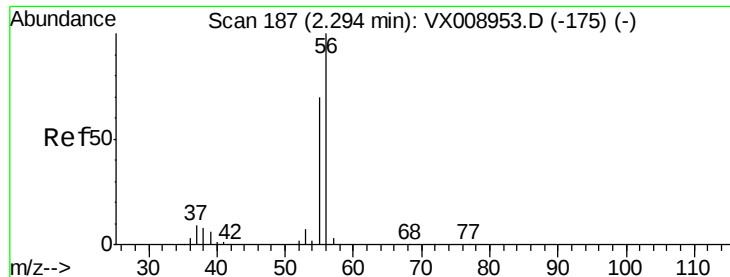


#12

1,1-Dichloroethene
 Concen: 52.593 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion: 96 Resp: 115709
 Ion Ratio Lower Upper
 96 100
 61 171.9 142.2 213.2
 98 61.6 50.9 76.3





#13

Acrolein

Concen: 235.713 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

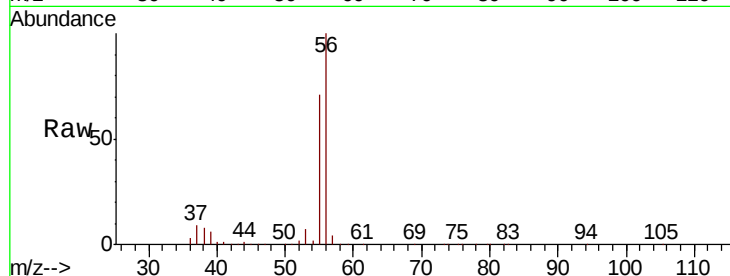
M-16-190410MSD

Tot Ion: 56 Resp: 130710

Ion Ratio Lower Upper

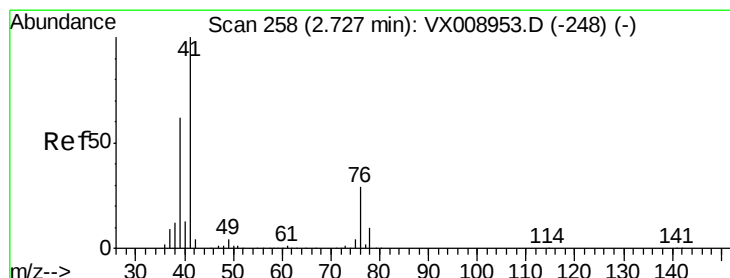
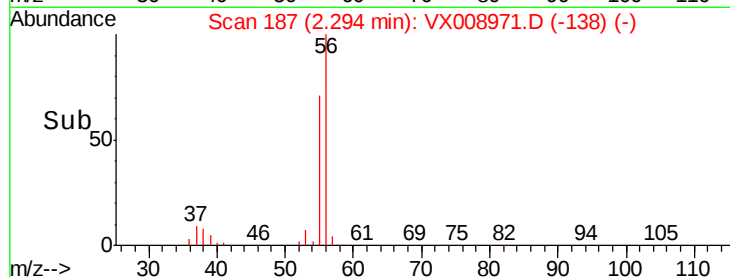
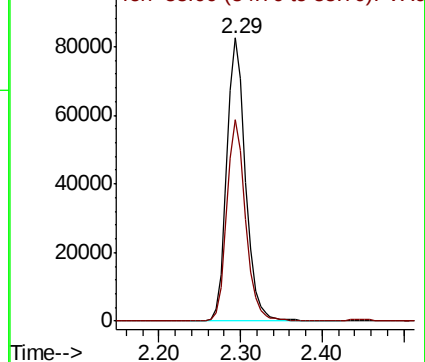
56 100

55 70.6 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 54.755 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

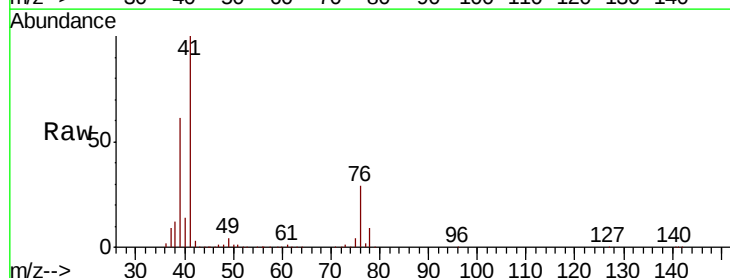
Tgt Ion: 41 Resp: 262823

Ion Ratio Lower Upper

41 100

39 59.3 46.7 70.1

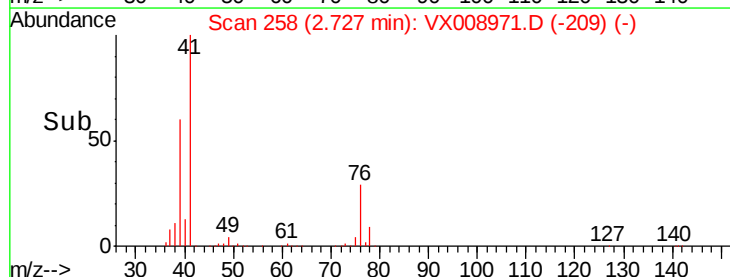
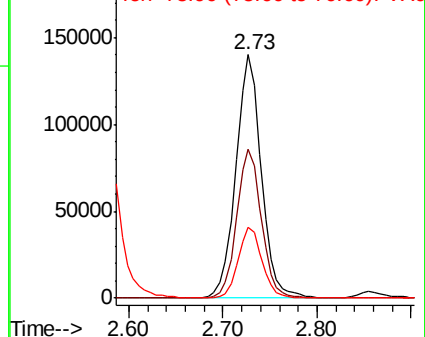
76 27.6 22.0 33.0

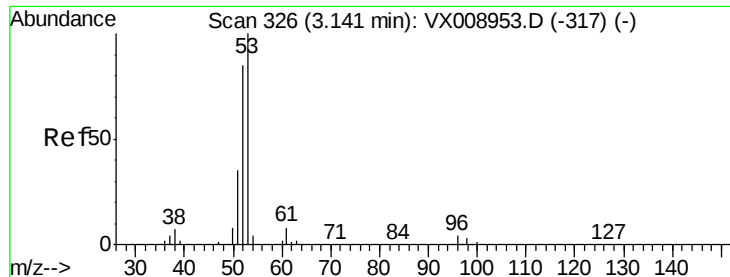


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 265.158 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

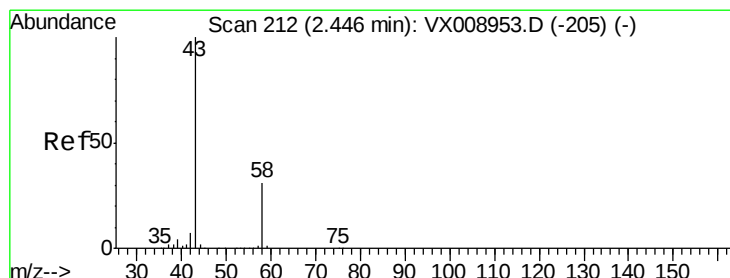
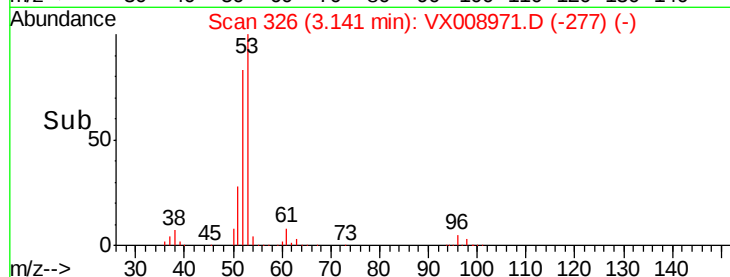
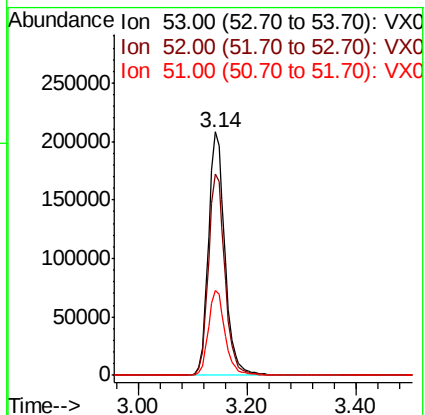
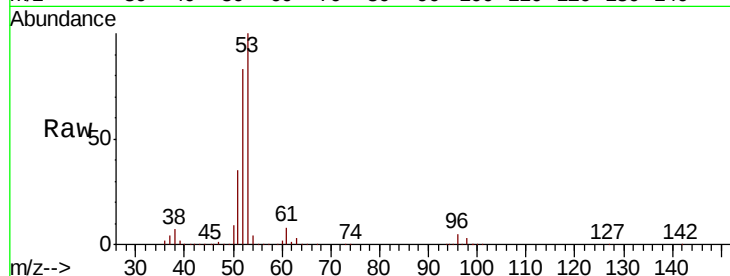
Tot Ion: 53 Resp: 431987

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

51 35.5 28.3 42.5



#16

Acetone

Concen: 239.220 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008971.D

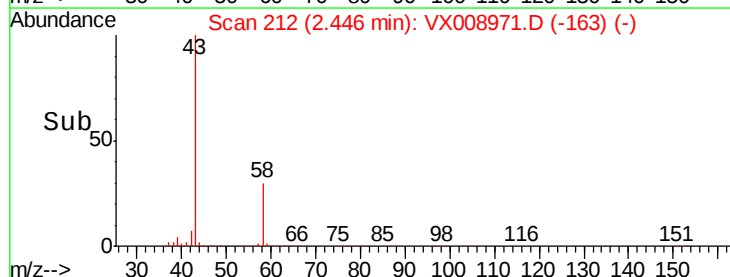
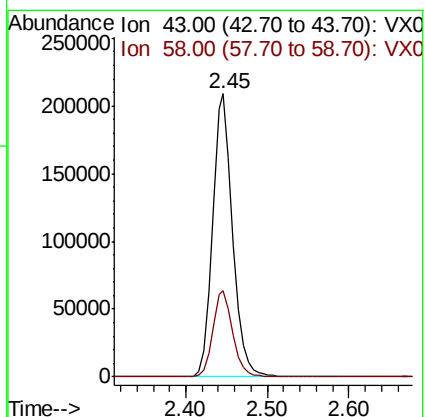
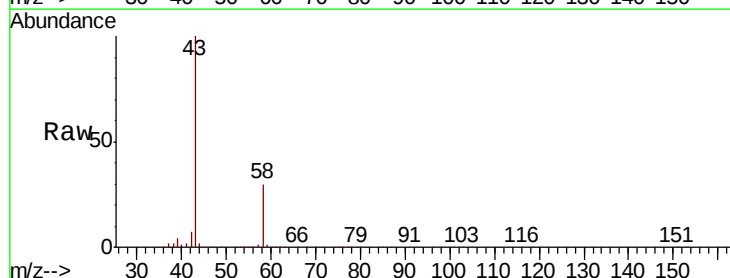
Acq: 15 Apr 2019 19:29

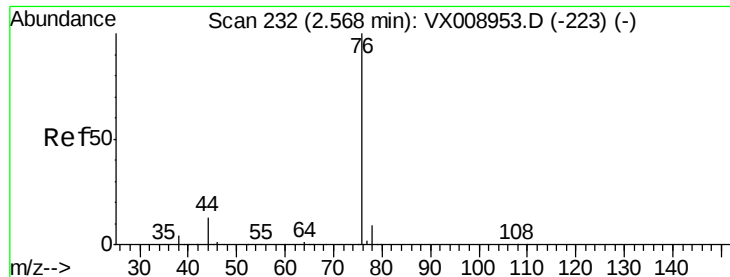
Tgt Ion: 43 Resp: 358675

Ion Ratio Lower Upper

43 100

58 30.5 24.8 37.2





#17

Carbon Disulfide

Concen: 52.753 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

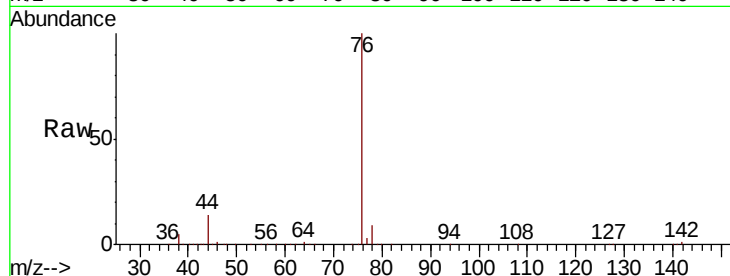
M-16-190410MSD

Tot Ion: 76 Resp: 341513

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

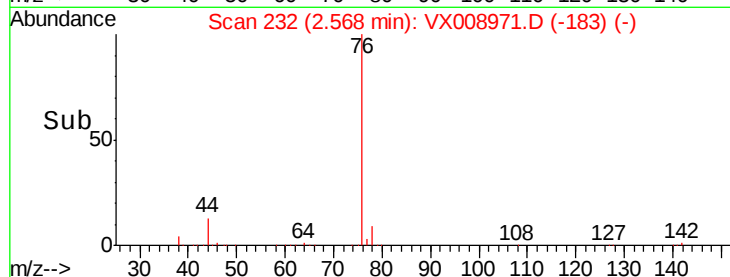
150000

100000

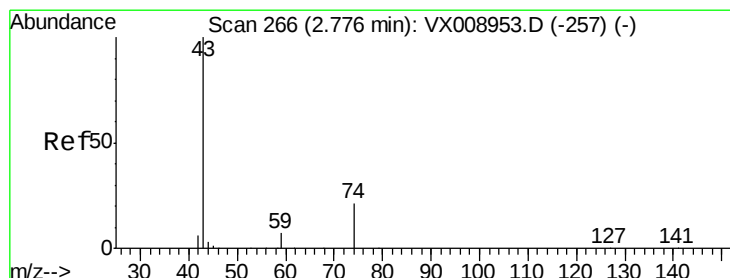
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.244 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008971.D

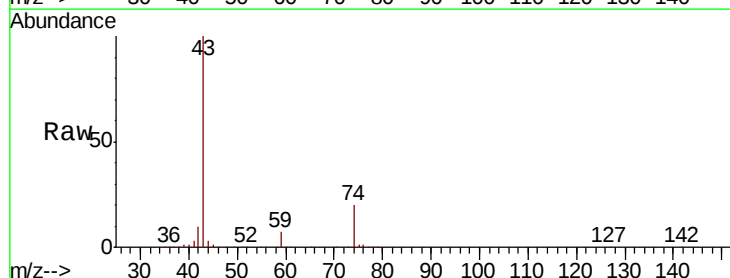
Acq: 15 Apr 2019 19:29

Tgt Ion: 43 Resp: 180530

Ion Ratio Lower Upper

43 100

74 20.4 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

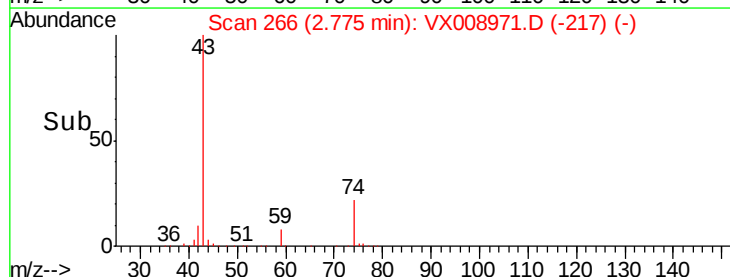
60000

40000

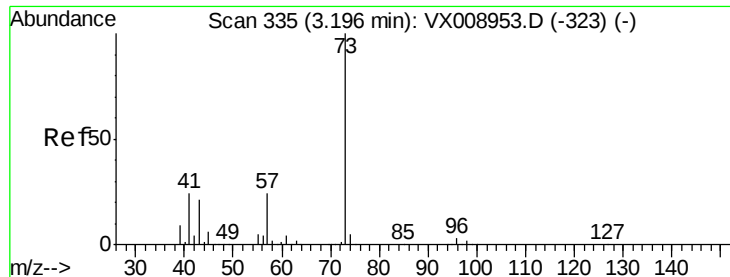
20000

0

Time-->



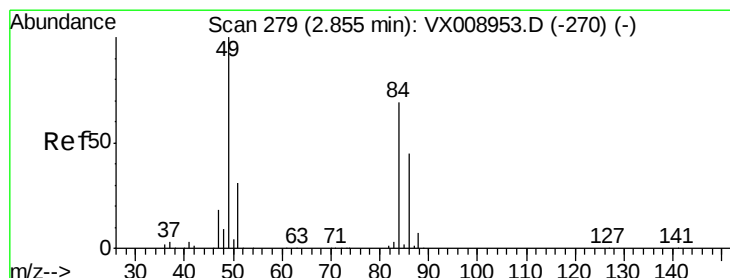
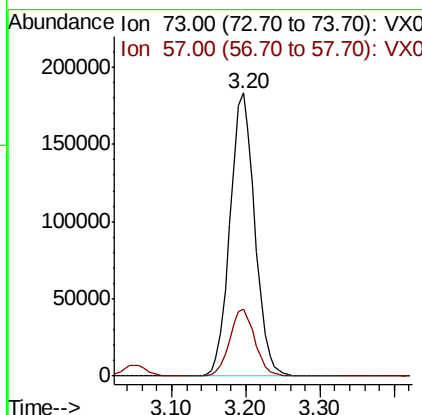
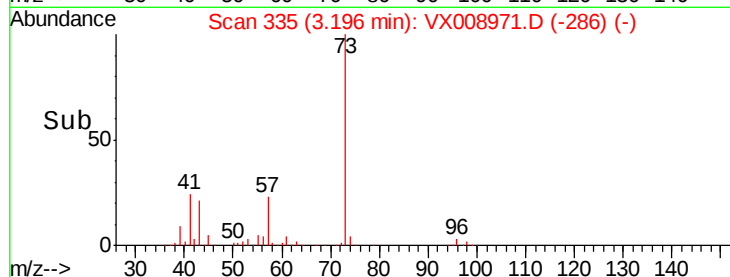
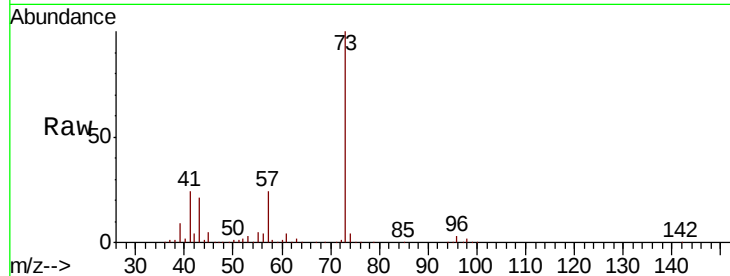
Time-->



#19
Methyl tert-butyl Ether
Concen: 54.588 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

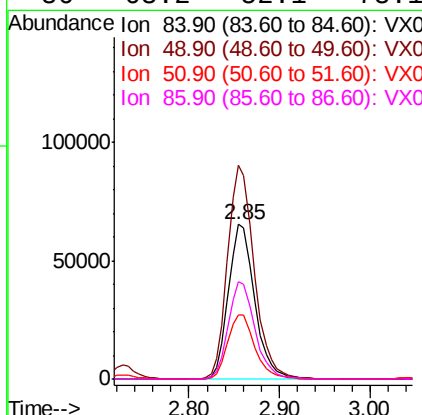
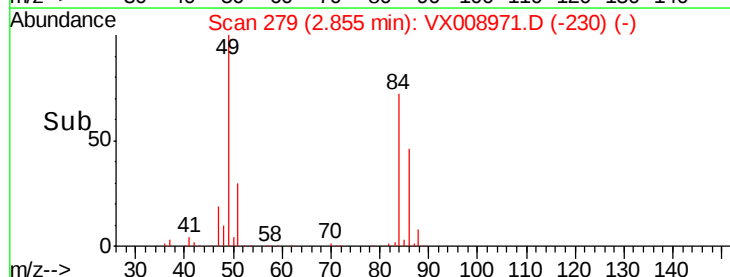
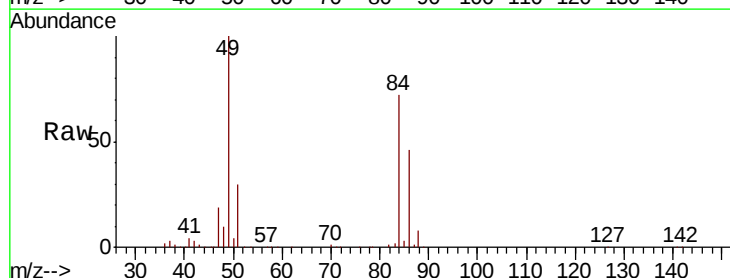
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MSD

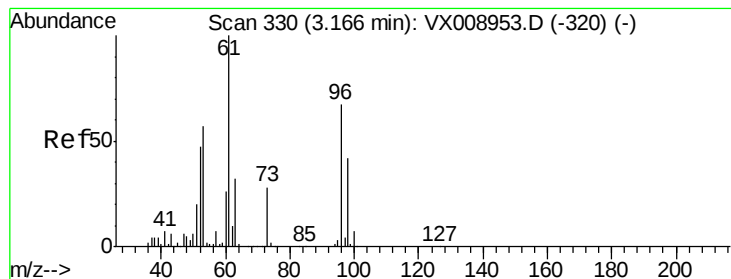
Tot Ion: 73 Resp: 427925
Ion Ratio Lower Upper
73 100
57 23.5 19.2 28.8



#20
Methylene Chloride
Concen: 51.437 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Tgt Ion: 84 Resp: 131889
Ion Ratio Lower Upper
84 100
49 138.2 115.4 173.0
51 41.8 35.8 53.6
86 63.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 52.241 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

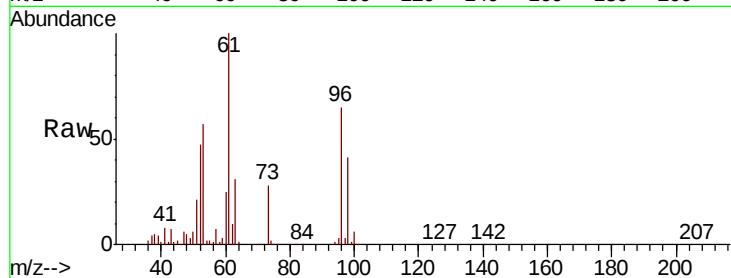
Tot Ion: 96 Resp: 122593

Ion Ratio Lower Upper

96 100

61 153.2 120.3 180.5

98 62.3 50.2 75.2

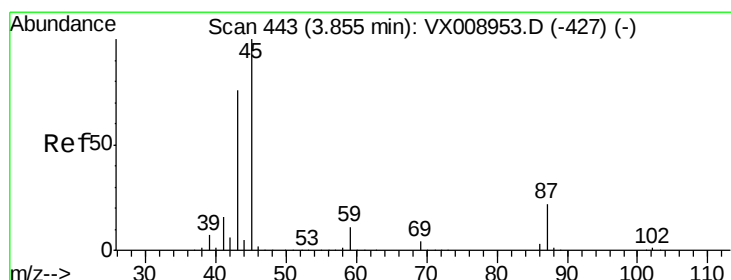
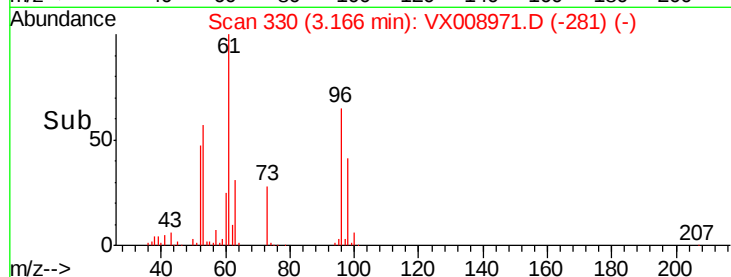
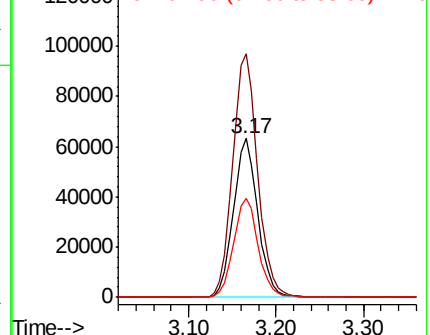


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.749 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Tgt Ion: 45 Resp: 510658

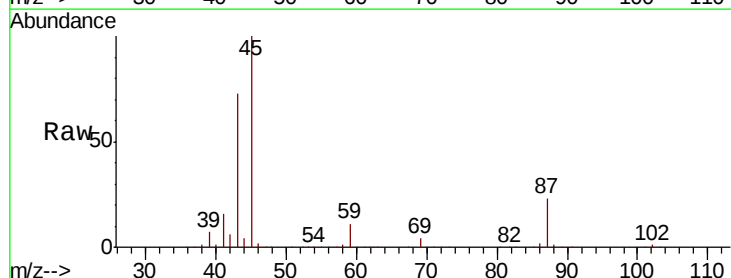
Ion Ratio Lower Upper

45 100

43 73.2 60.6 91.0

87 22.9 17.8 26.8

59 10.9 8.7 13.1



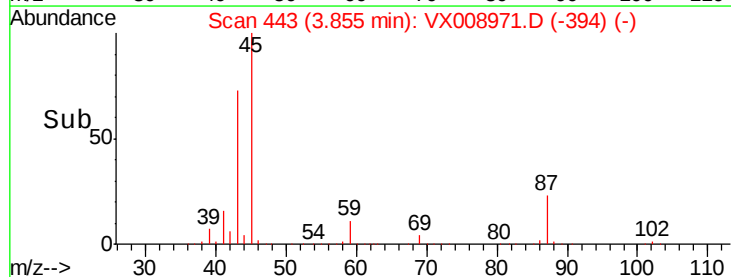
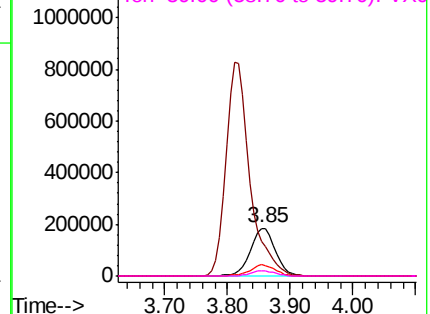
Abundance

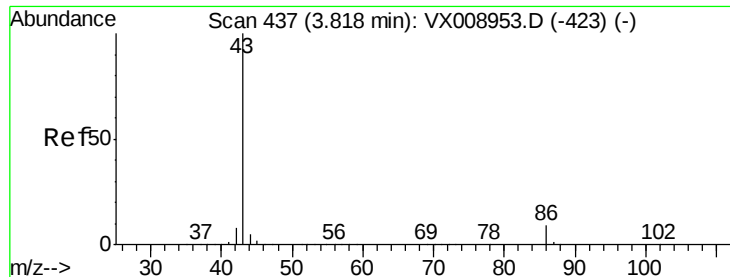
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 265.322 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

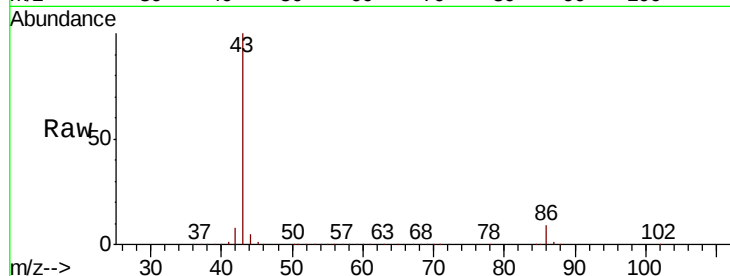
M-16-190410MSD

Tot Ion: 43 Resp: 2175354

Ion Ratio Lower Upper

43 100

86 8.6 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

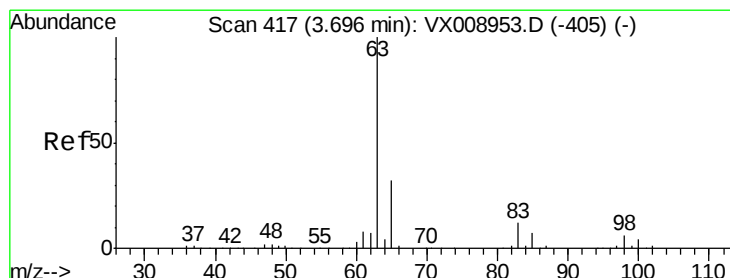
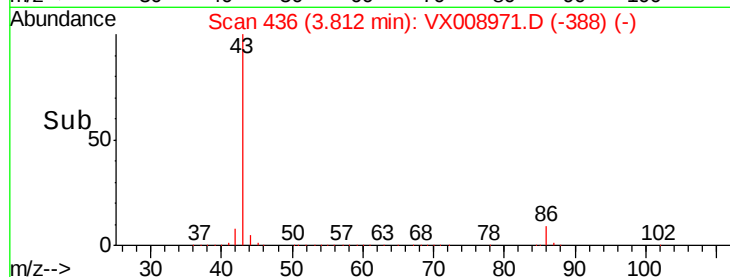
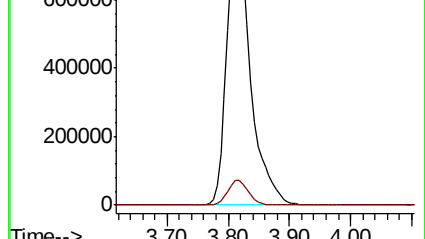
600000

400000

200000

0

3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 53.984 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

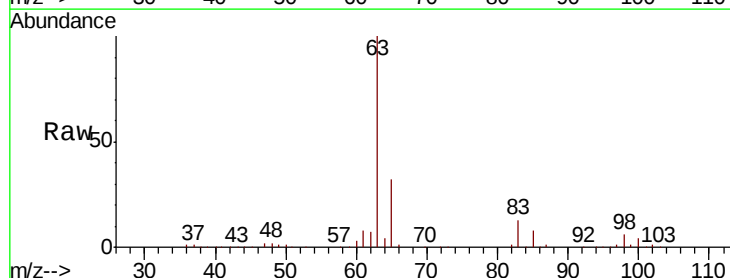
Tgt Ion: 63 Resp: 252757

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.3

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

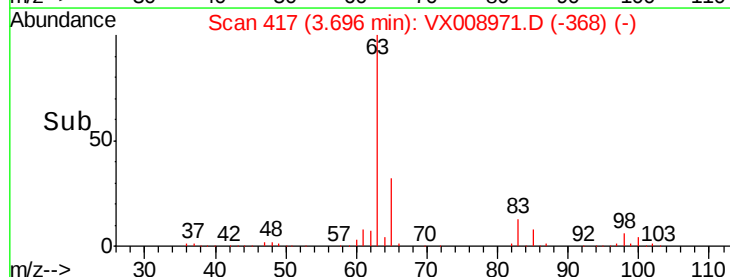
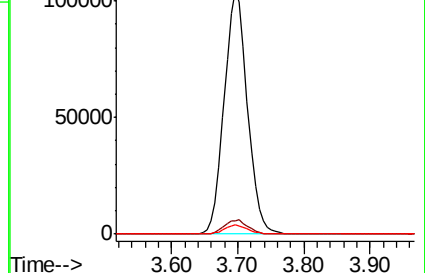
Ion 99.90 (99.60 to 100.60): VX0

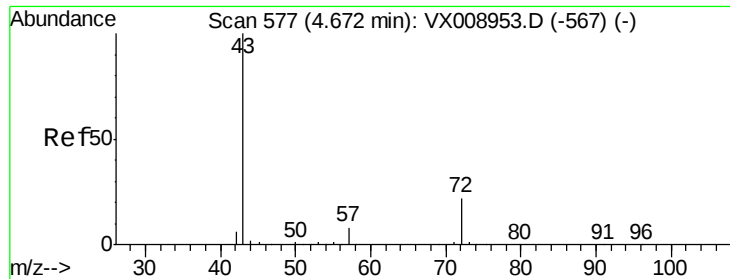
100000

50000

0

3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 261.791 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

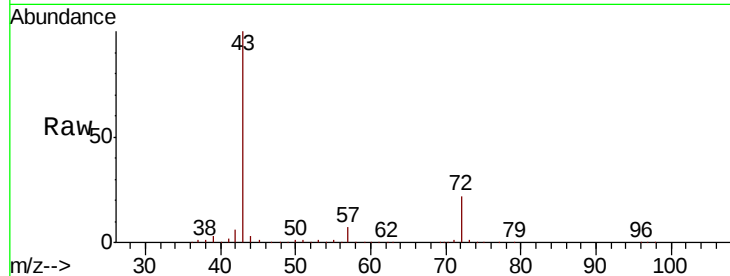
M-16-190410MSD

Tot Ion: 43 Resp: 627414

Ion Ratio Lower Upper

43 100

72 22.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

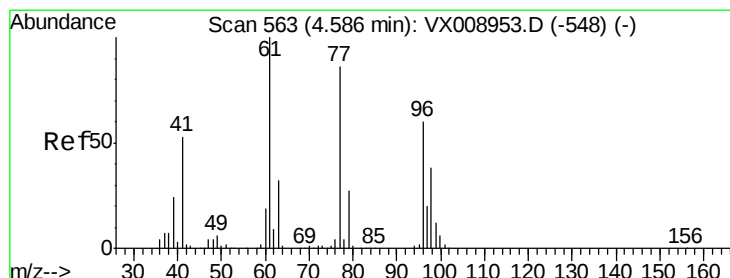
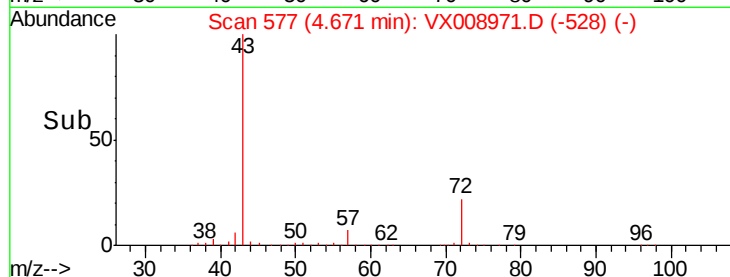
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.066 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008971.D

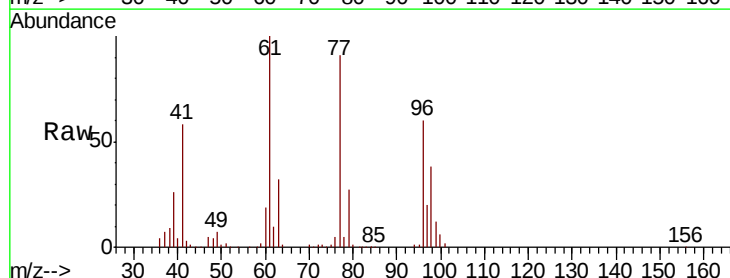
Acq: 15 Apr 2019 19:29

Tgt Ion: 77 Resp: 175713

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

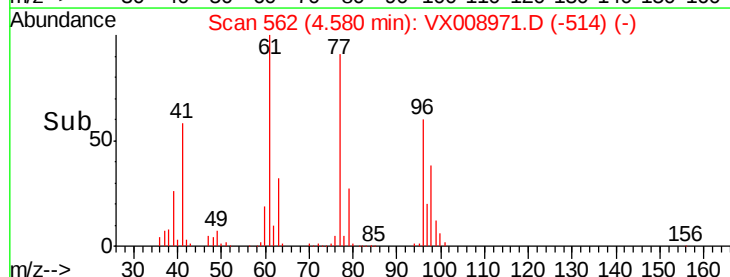
20000

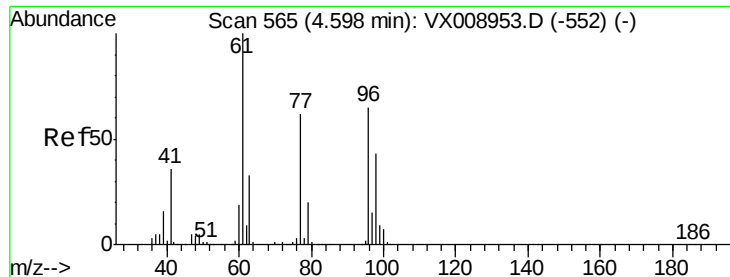
10000

0

4.40 4.50 4.60 4.70

Time-->



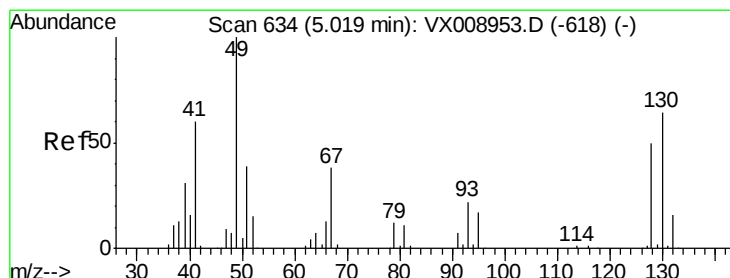
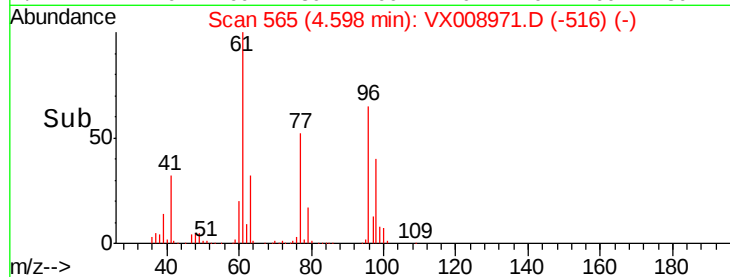
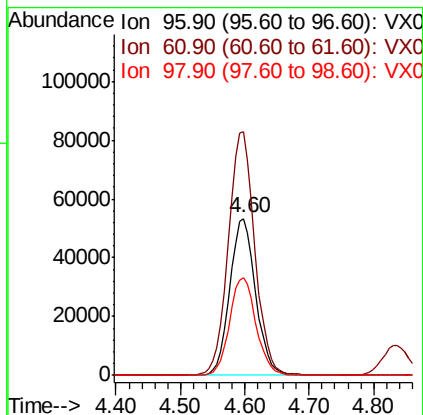
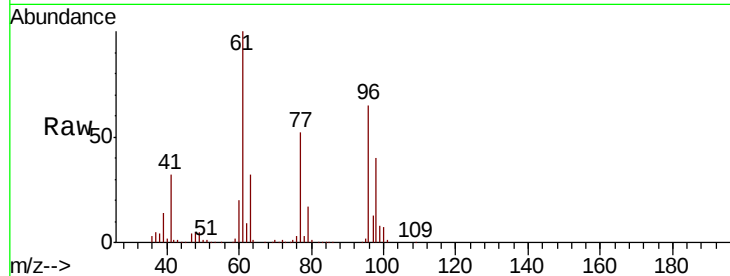


#27

cis-1,2-Dichloroethene
Concen: 56.413 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MSD

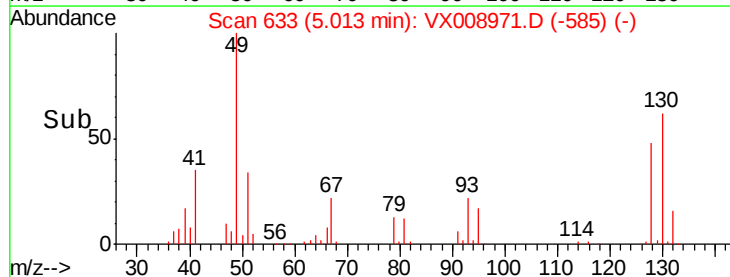
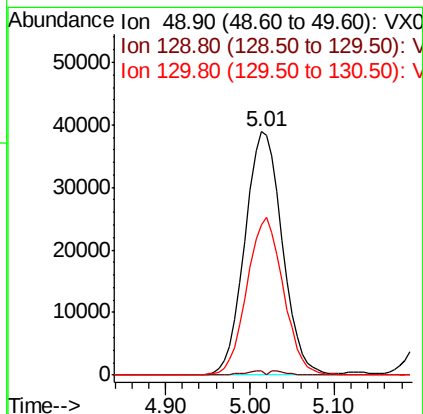
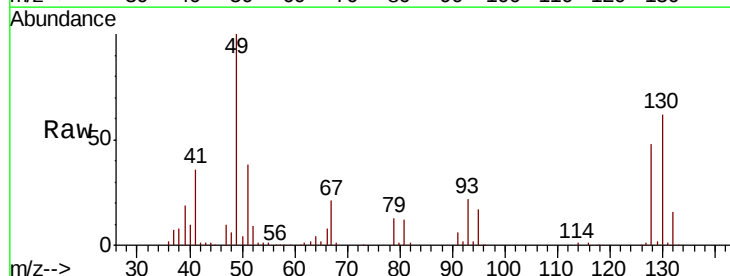
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	322.0
98	63.6	0.0	128.4

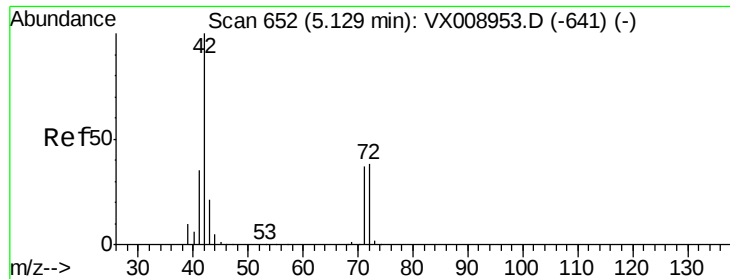


#28

Bromochloromethane
Concen: 61.041 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	62.8	50.4	75.6

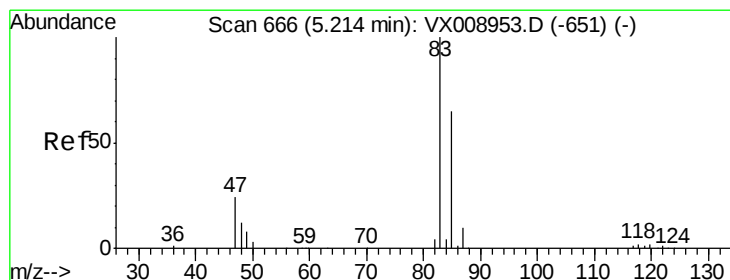
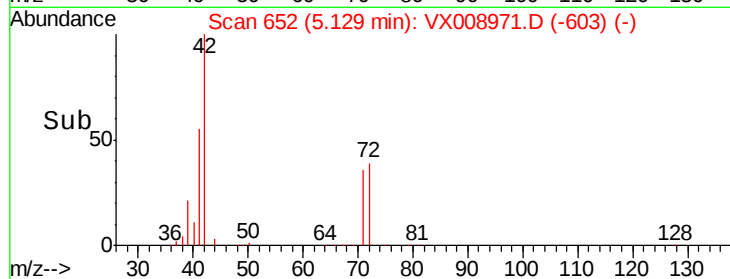
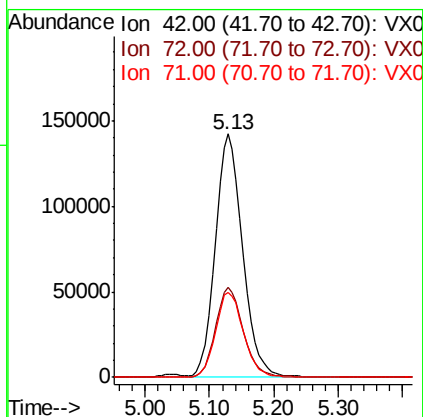
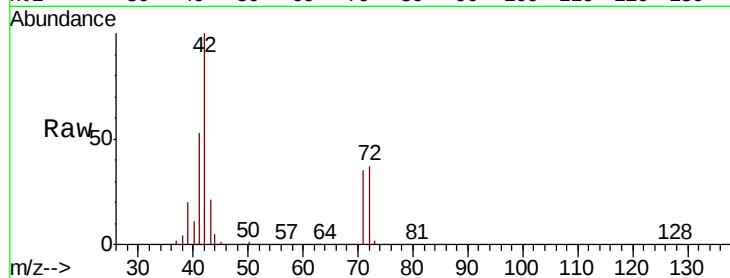




#29
Tetrahydrofuran
Concen: 262.811 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

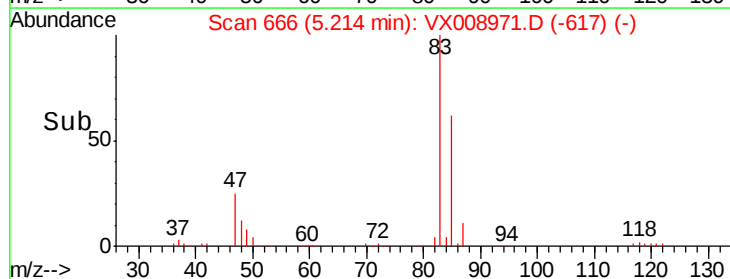
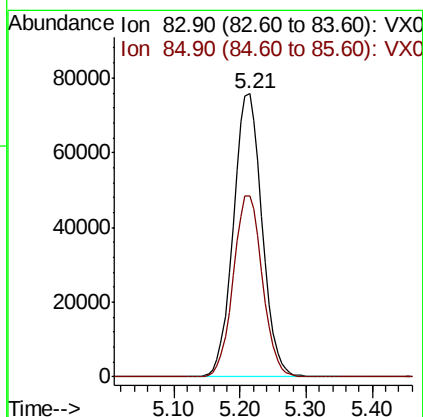
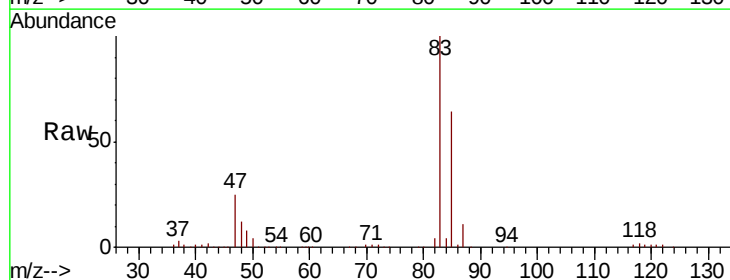
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MSD

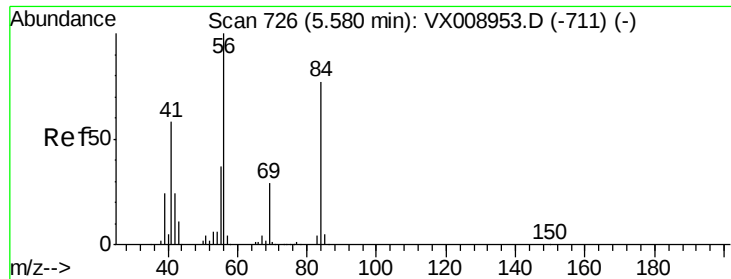
Tot Ion: 42 Resp: 421575
Ion Ratio Lower Upper
42 100
72 37.9 30.6 45.8
71 36.0 28.8 43.2



#30
Chloroform
Concen: 54.360 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Tgt Ion: 83 Resp: 227756
Ion Ratio Lower Upper
83 100
85 63.9 51.9 77.9

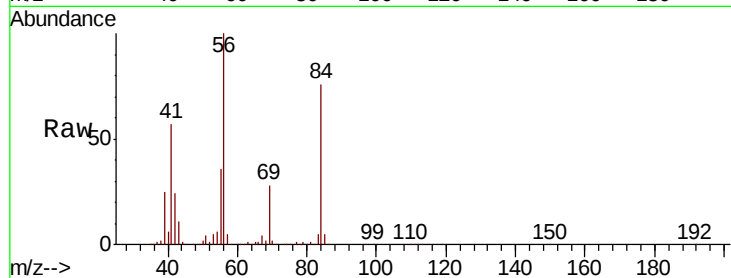




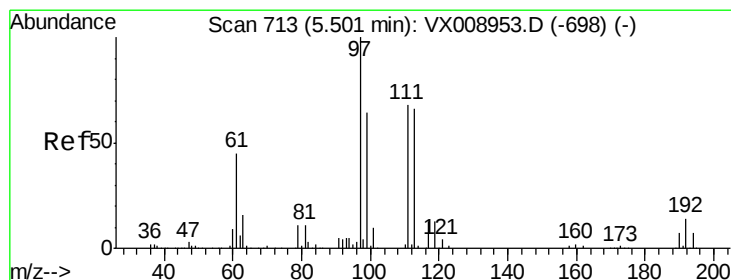
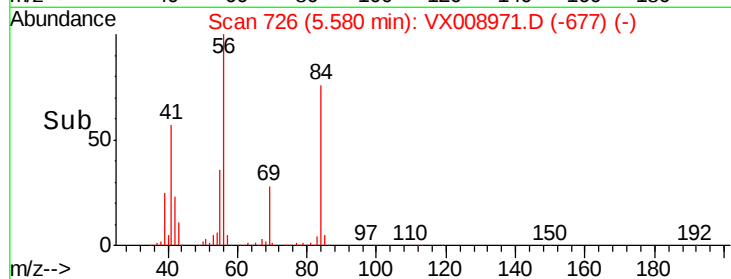
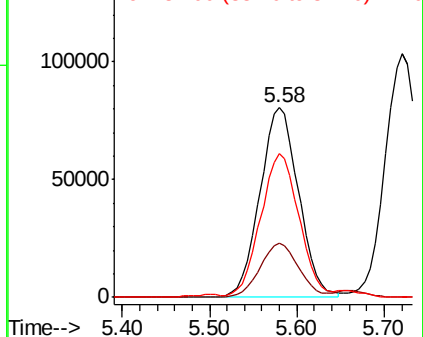
#31
Cyclohexane
Concen: 54.133 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.3	34.9
84	74.8	61.7	92.5

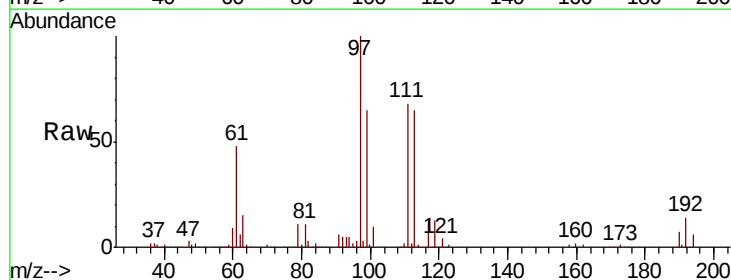


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

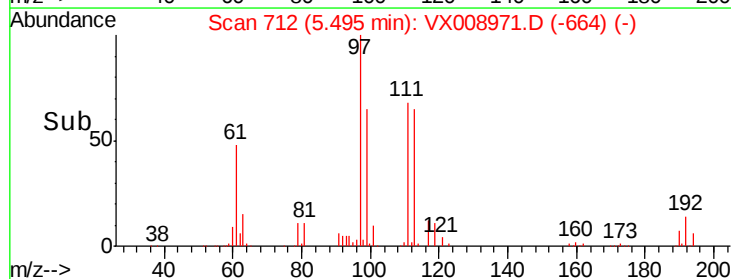
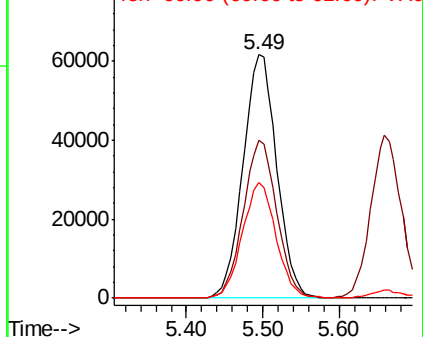


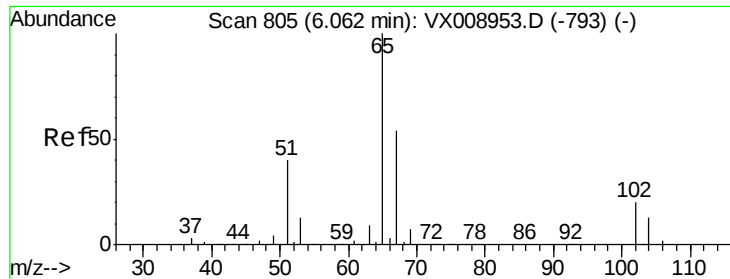
#32
1,1,1-Trichloroethane
Concen: 54.504 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	47.6	37.9	56.9



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 55.166 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

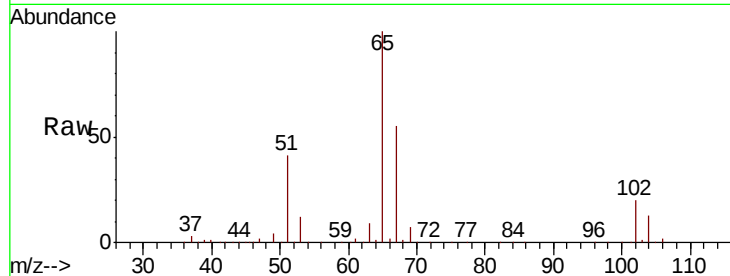
M-16-190410MSD

Tot Ion: 65 Resp: 159501

Ion Ratio Lower Upper

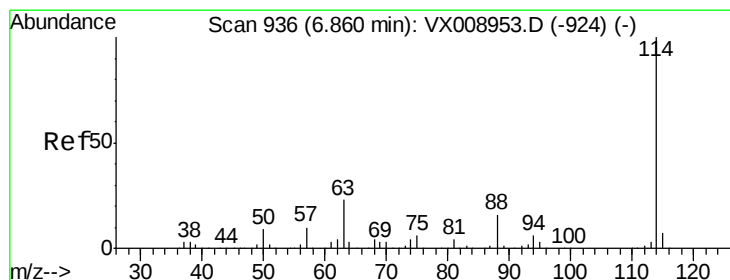
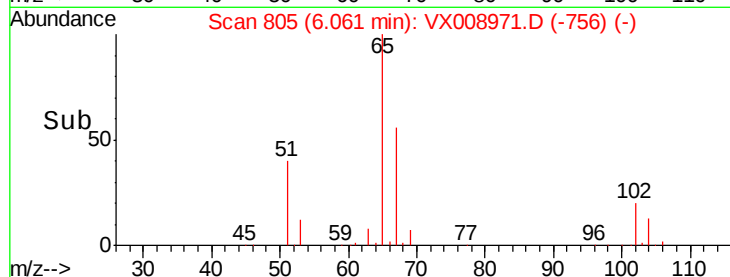
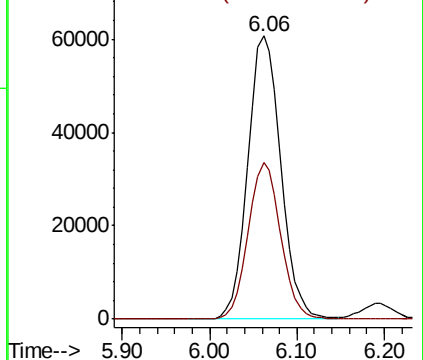
65 100

67 54.6 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

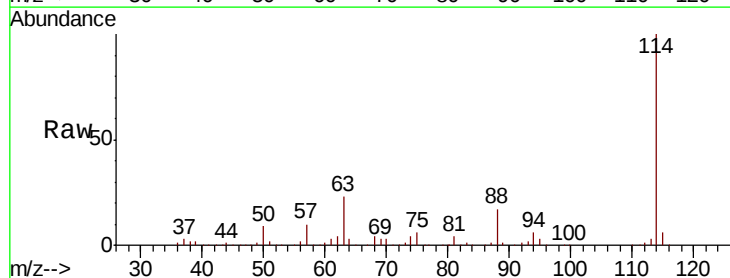
Tgt Ion: 114 Resp: 336115

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.0

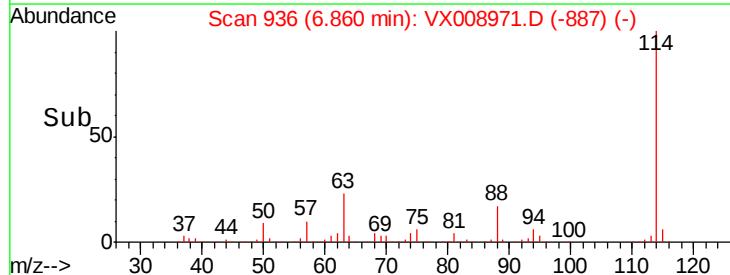
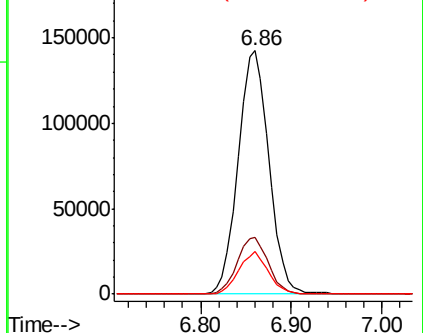
88 17.3 0.0 32.6

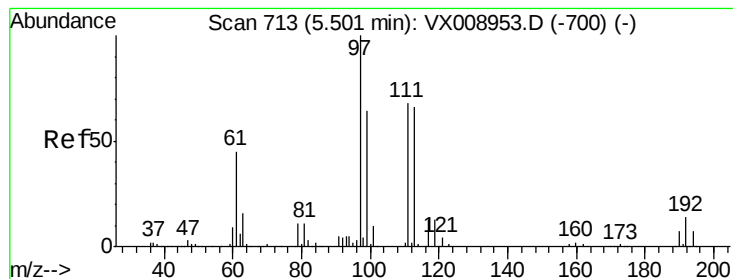


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.777 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

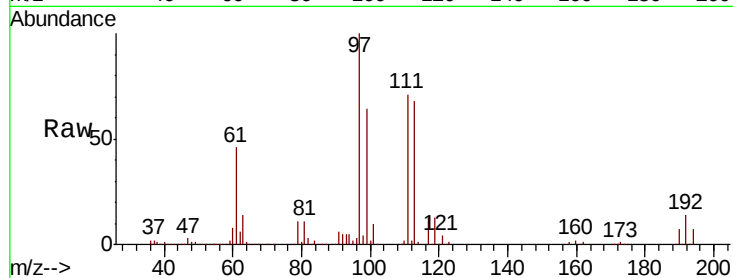
Tot Ion:113 Resp: 118159

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

192 21.1 17.4 26.0

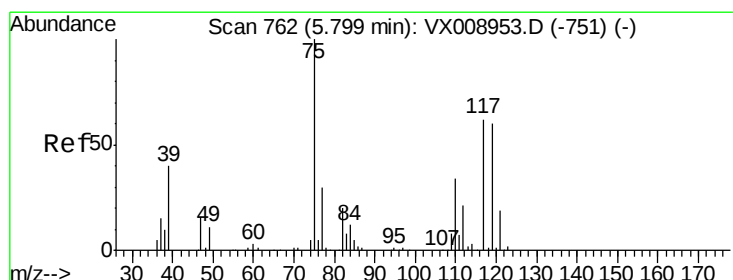
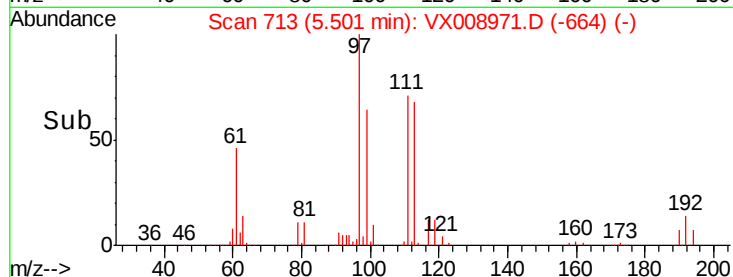
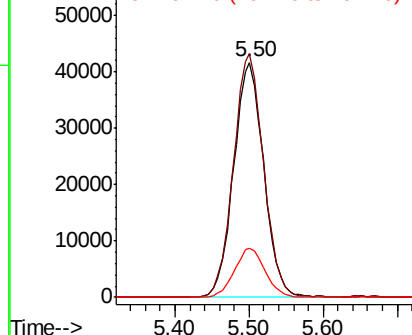


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.370 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

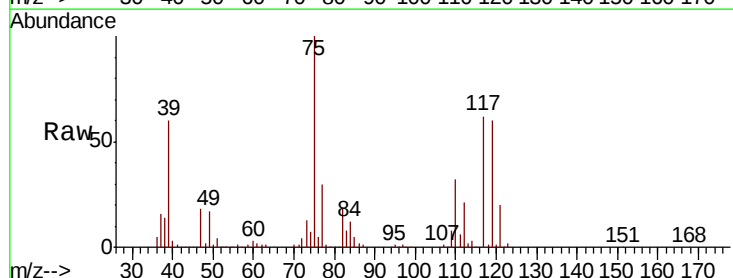
Tgt Ion: 75 Resp: 178571

Ion Ratio Lower Upper

75 100

110 33.3 16.9 50.7

77 31.1 25.0 37.4

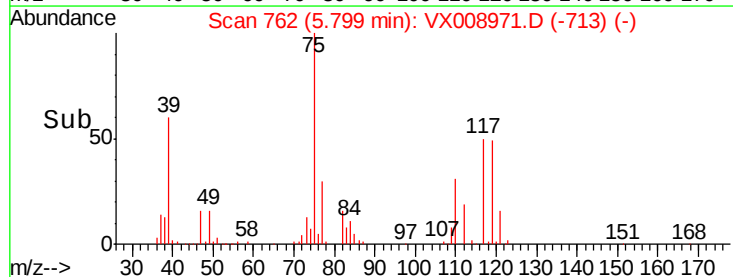
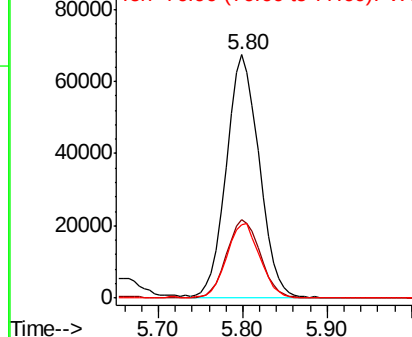


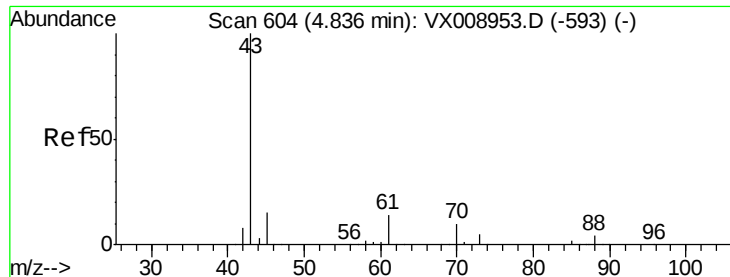
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 52.132 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

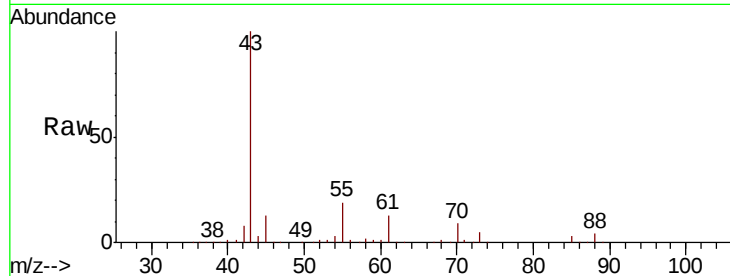
Tot Ion: 43 Resp: 233186

Ion Ratio Lower Upper

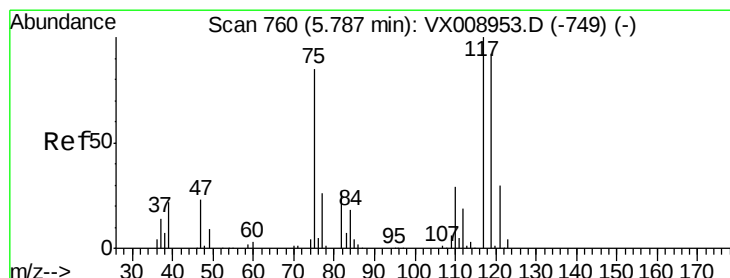
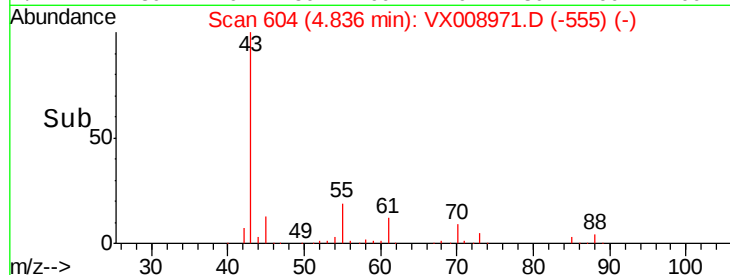
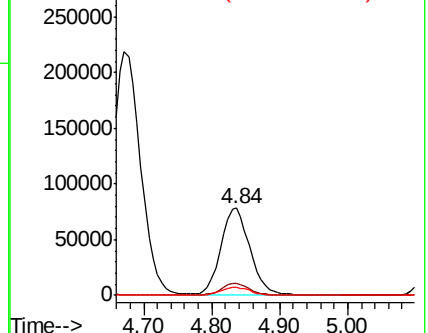
43 100

61 12.9 10.6 15.8

70 9.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 53.949 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

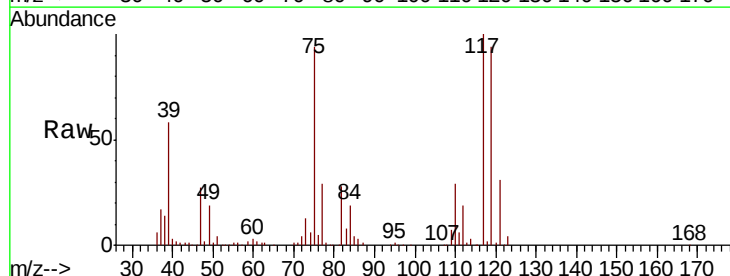
Tgt Ion: 117 Resp: 158987

Ion Ratio Lower Upper

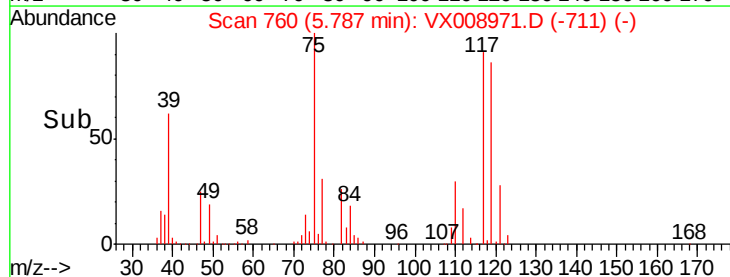
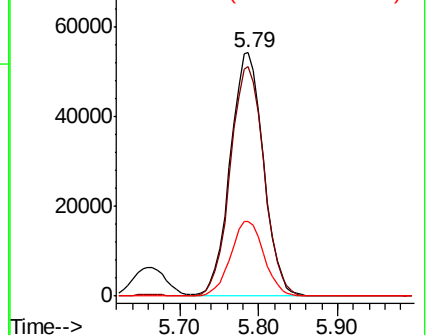
117 100

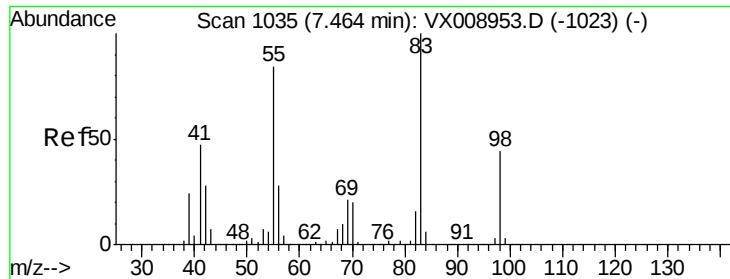
119 94.1 73.8 110.8

121 30.9 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

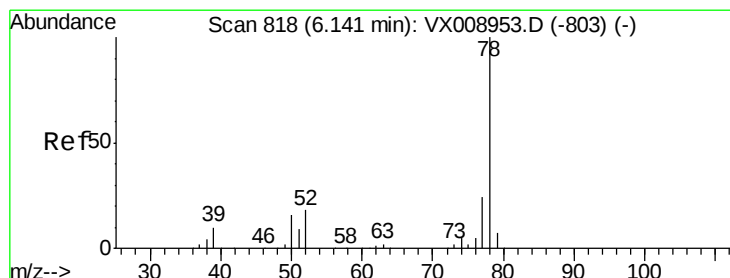
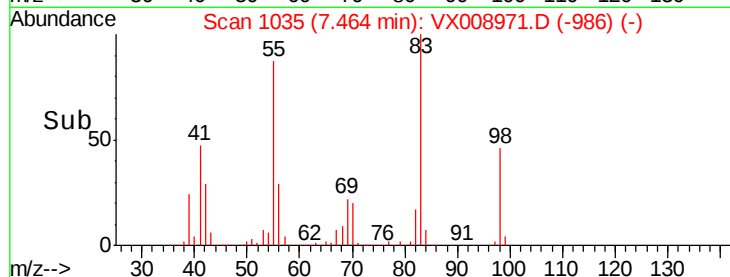
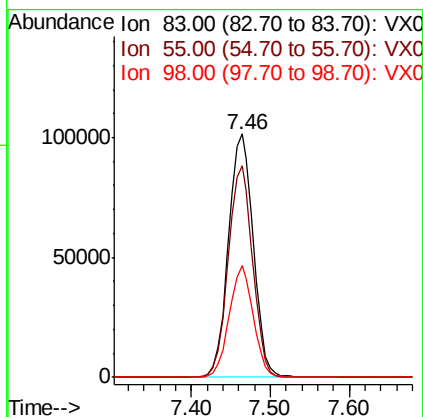
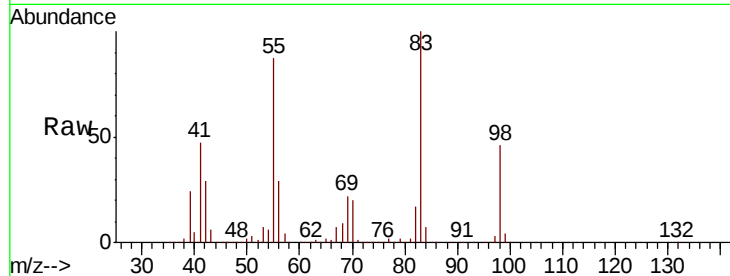




#39
Methvlcvclohexane
Concen: 52.479 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

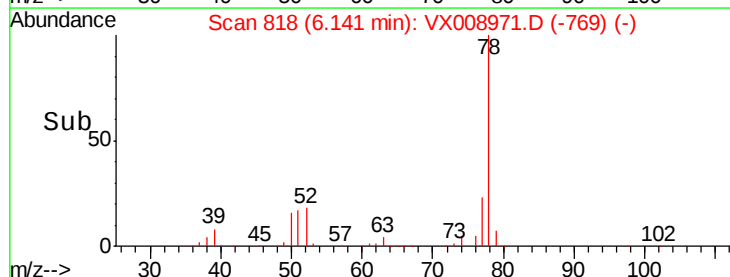
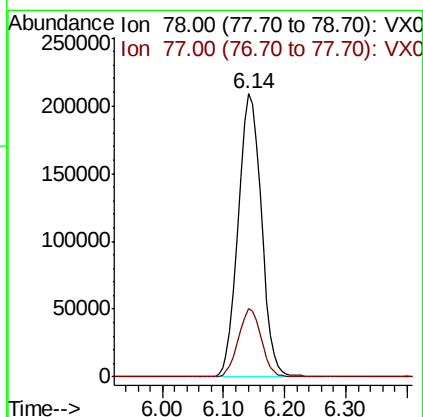
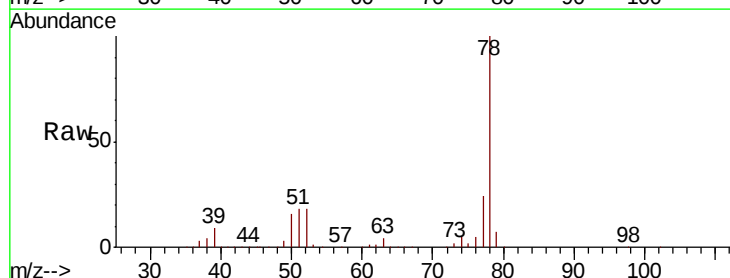
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MSD

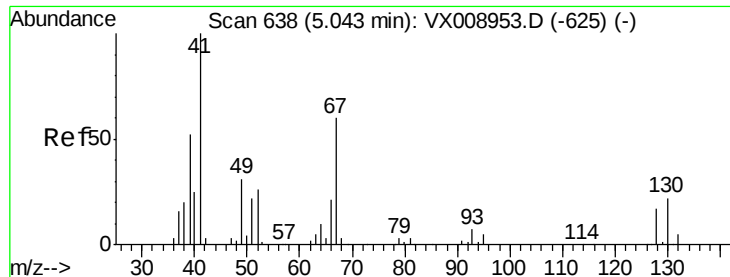
Tot Ion: 83 Resp: 222111
Ion Ratio Lower Upper
83 100
55 86.7 67.1 100.7
98 45.8 35.1 52.7



#40
Benzene
Concen: 53.448 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Tgt Ion: 78 Resp: 548099
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6





#41

Methacrylonitrile

Concen: 53.516 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

Tot Ion: 41 Resp: 137386

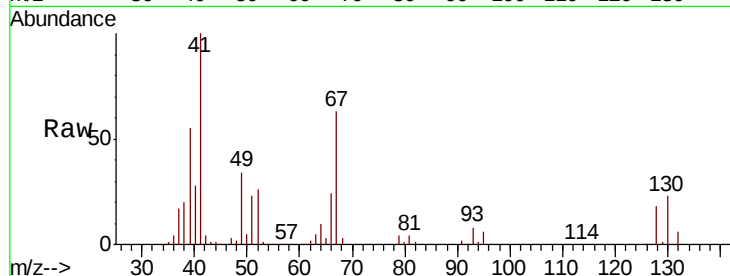
Ion Ratio Lower Upper

41 100

39 52.9 41.8 62.6

67 64.0 50.2 75.4

52 26.4 21.1 31.7



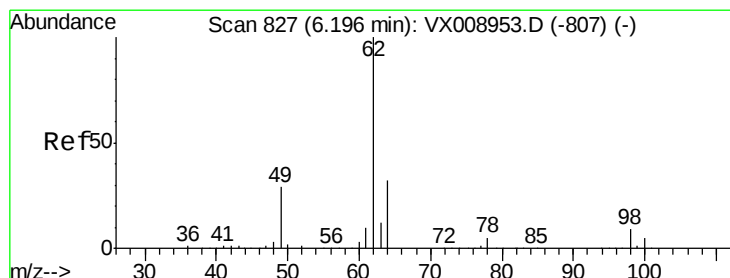
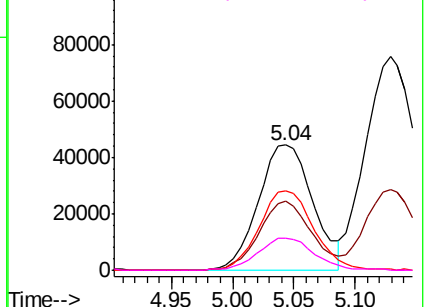
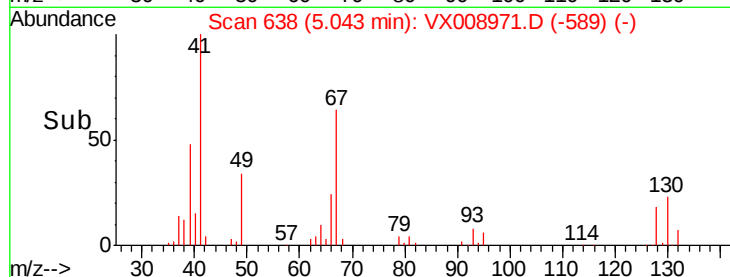
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.941 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008971.D

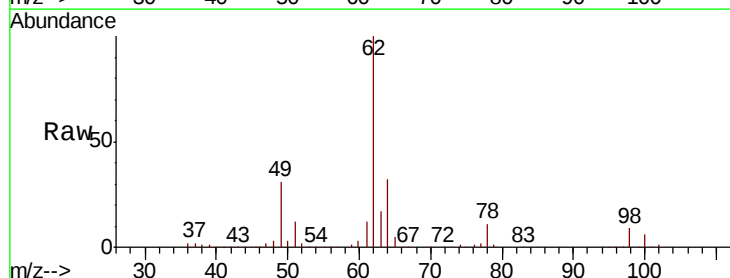
Acq: 15 Apr 2019 19:29

Tgt Ion: 62 Resp: 192319

Ion Ratio Lower Upper

62 100

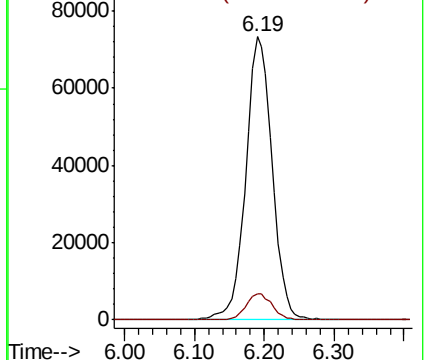
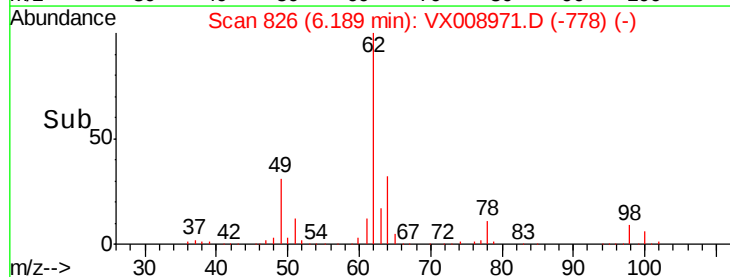
98 9.2 0.0 18.4

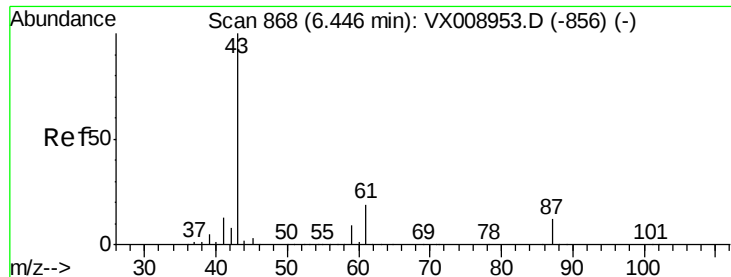


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



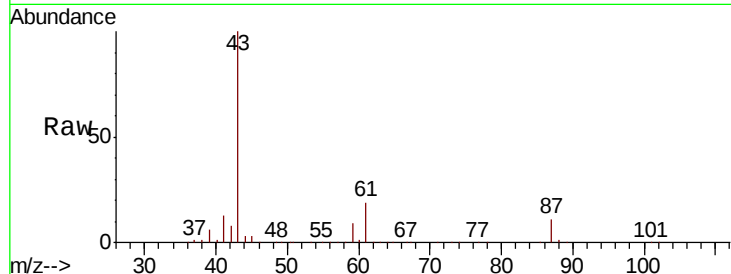


#43

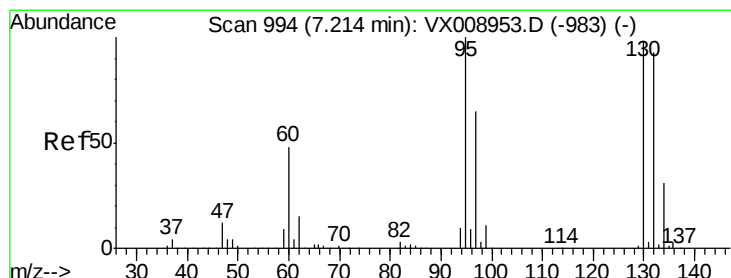
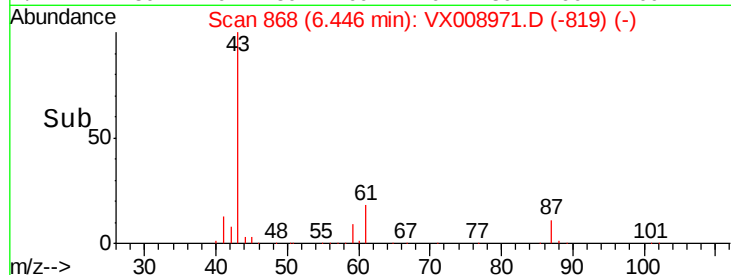
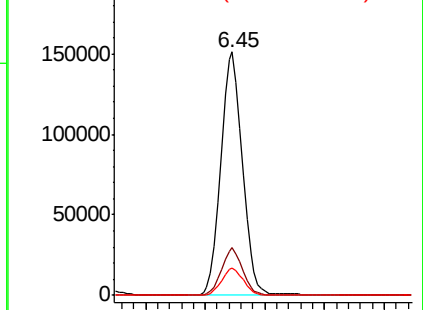
Isopropyl Acetate
 Concen: 52.824 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

Tot Ion: 43 Resp: 380770
 Ion Ratio Lower Upper
 43 100
 61 18.9 15.4 23.0
 87 11.1 9.0 13.4



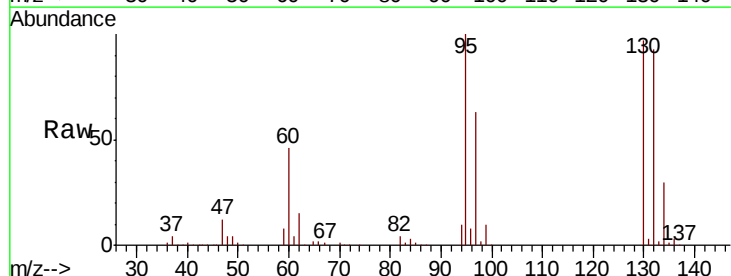
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



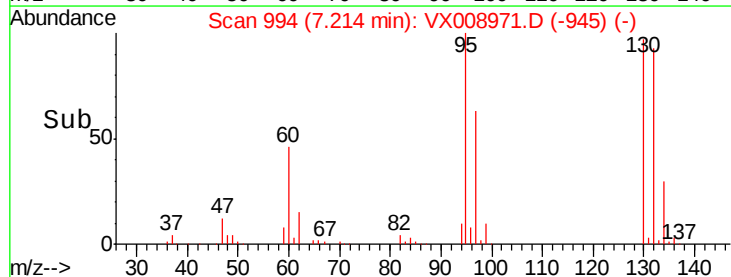
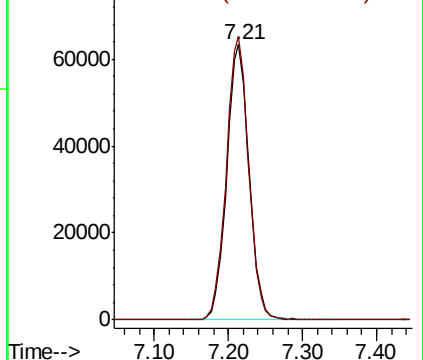
#44

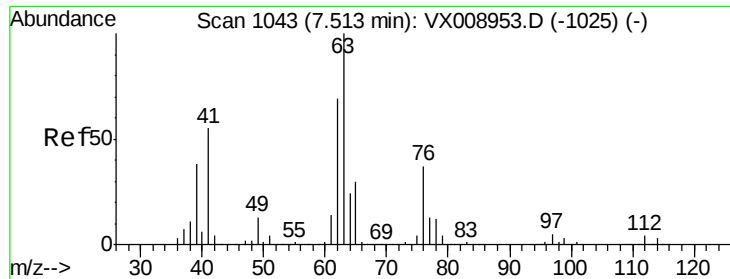
Trichloroethene
 Concen: 52.955 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion: 130 Resp: 133058
 Ion Ratio Lower Upper
 130 100
 95 102.9 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 54.184 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

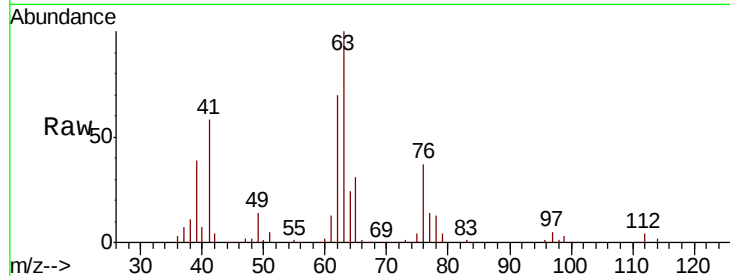
M-16-190410MSD

Tot Ion: 63 Resp: 154151

Ion Ratio Lower Upper

63 100

65 30.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

80000

60000

40000

20000

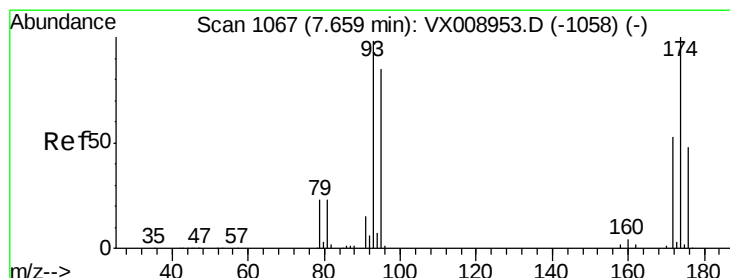
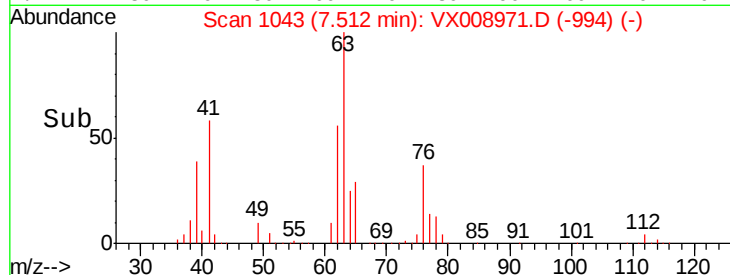
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 52.822 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

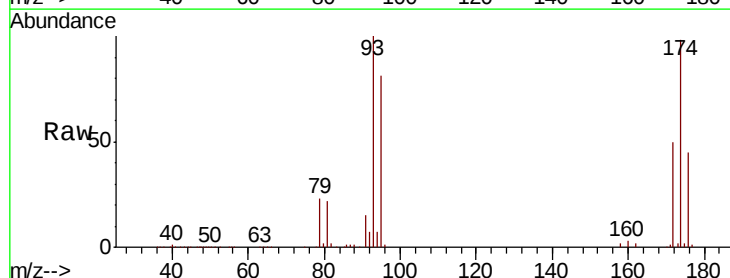
Tgt Ion: 93 Resp: 87458

Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 102.4 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

60000

50000

40000

30000

20000

10000

0

7.55

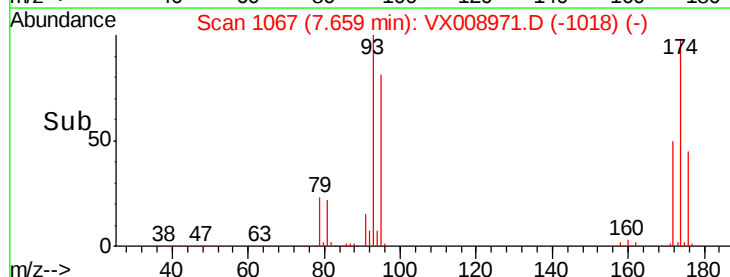
7.60

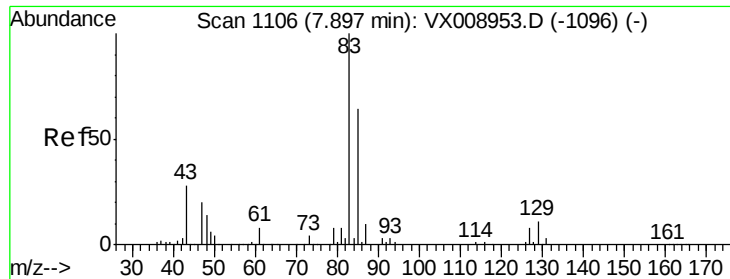
7.65

7.70

7.75

Time-->





#47

Bromodichloromethane

Concen: 54.553 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

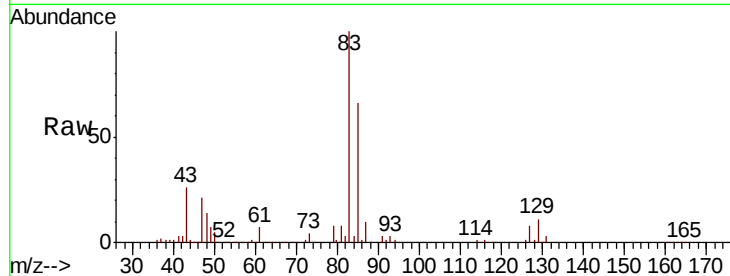
Tot Ion: 83 Resp: 177158

Ion Ratio Lower Upper

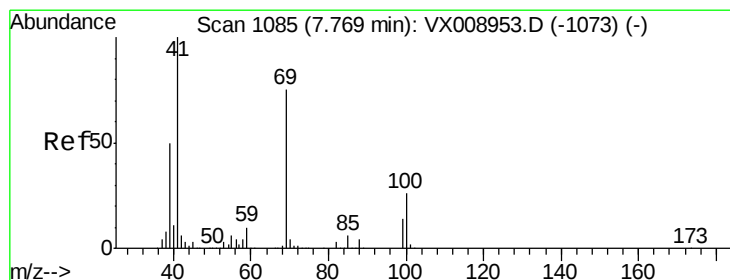
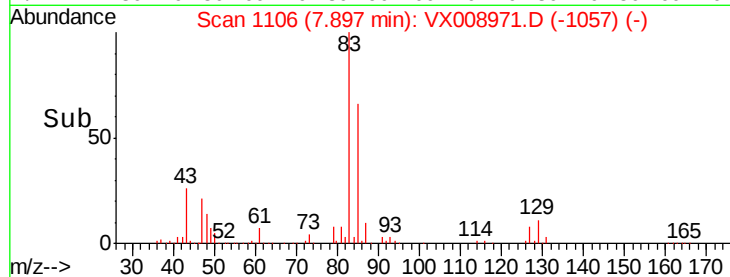
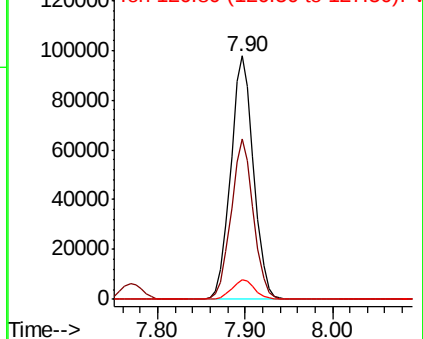
83 100

85 66.1 50.8 76.2

127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.242 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

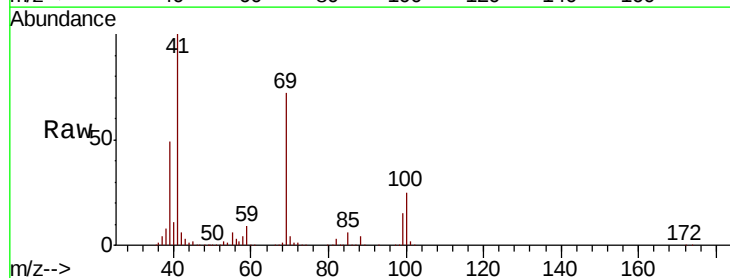
Tgt Ion: 41 Resp: 196755

Ion Ratio Lower Upper

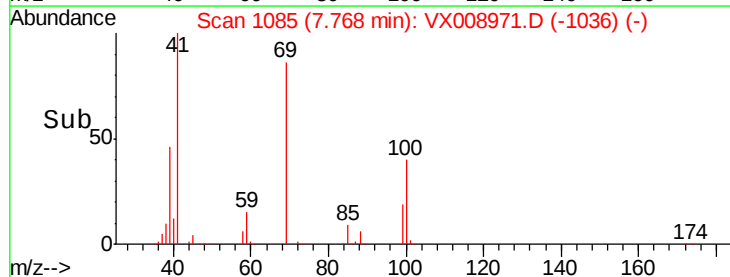
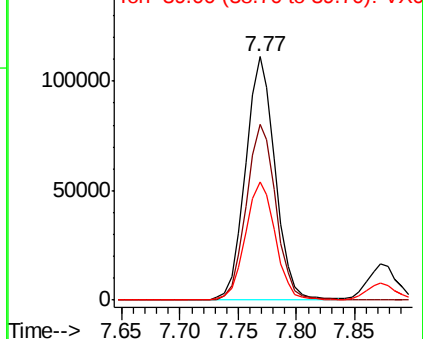
41 100

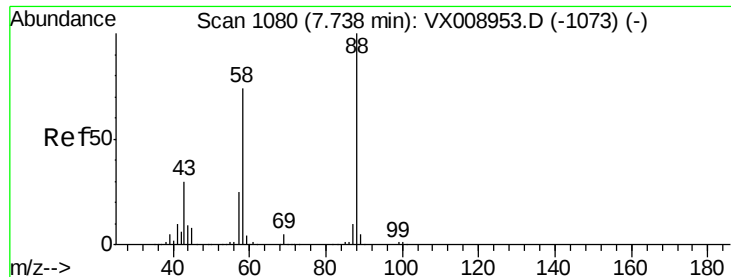
69 73.4 59.4 89.2

39 49.1 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

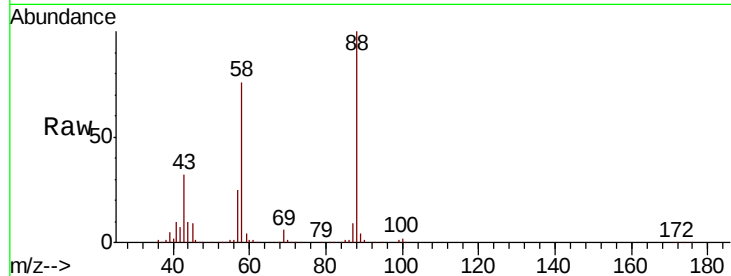




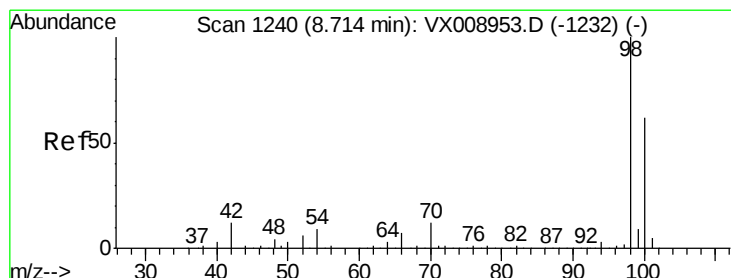
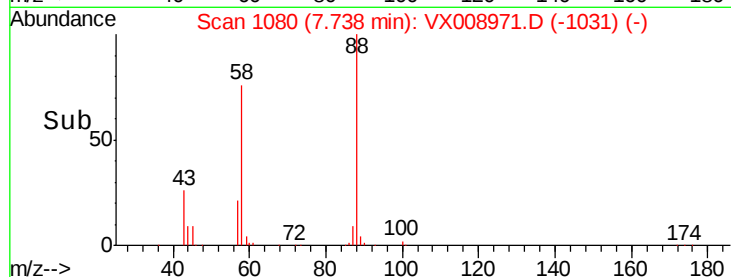
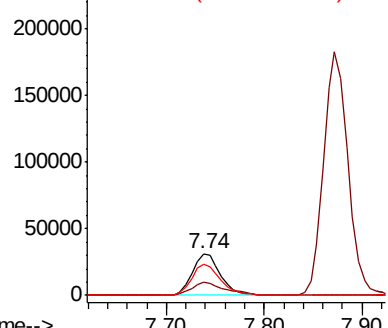
#49
1,4-Dioxane
Concen: 927.476 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MSD

Tot Ion: 88 Resp: 61829
Ion Ratio Lower Upper
88 100
43 36.9 29.3 43.9
58 79.0 62.6 93.8

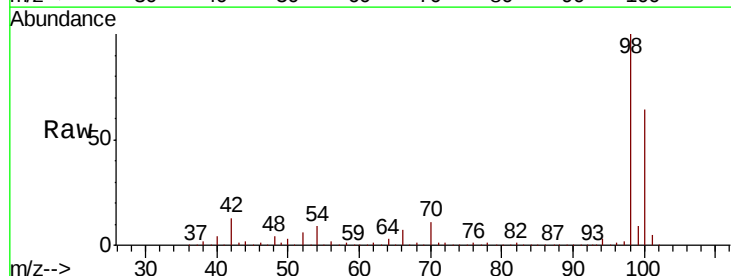


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

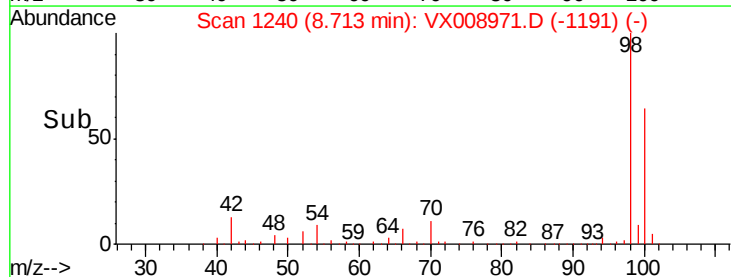
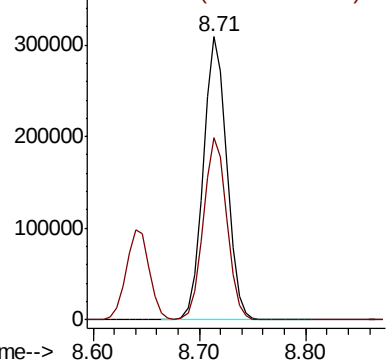


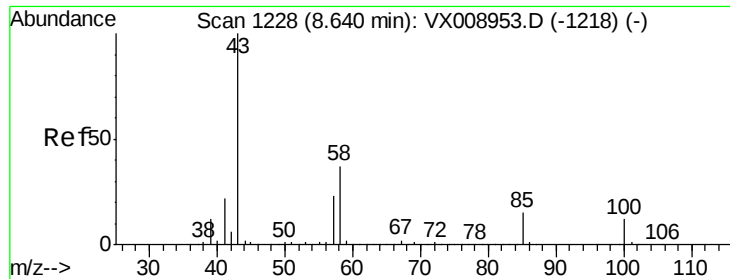
#50
Toluene-d8
Concen: 55.473 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Tgt Ion: 98 Resp: 477212
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 266.519 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

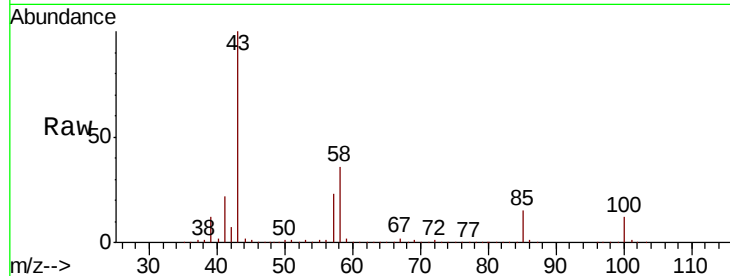
M-16-190410MSD

Tot Ion: 43 Resp: 1223913

Ion Ratio Lower Upper

43 100

58 36.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

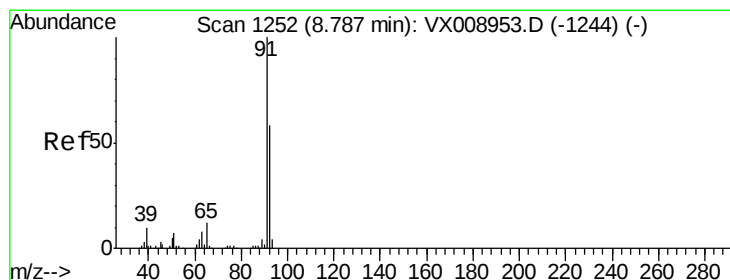
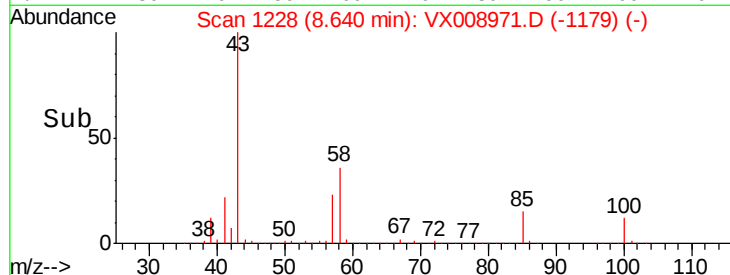
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.214 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008971.D

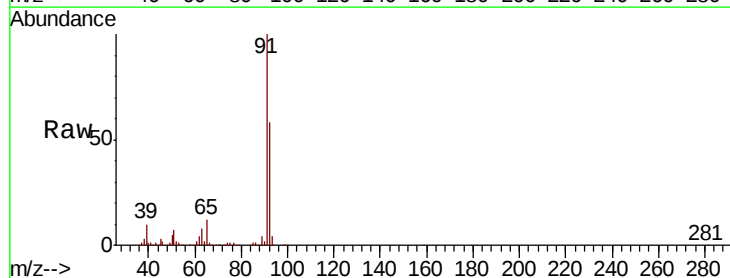
Acq: 15 Apr 2019 19:29

Tgt Ion: 92 Resp: 327052

Ion Ratio Lower Upper

92 100

91 172.6 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

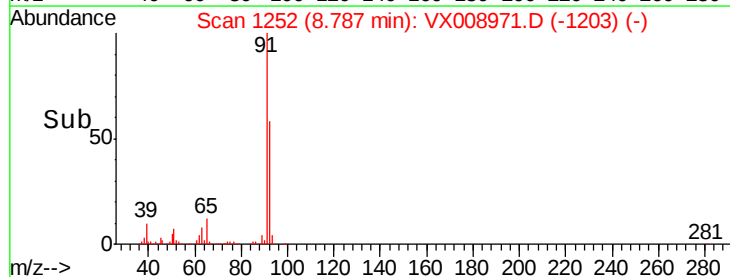
300000

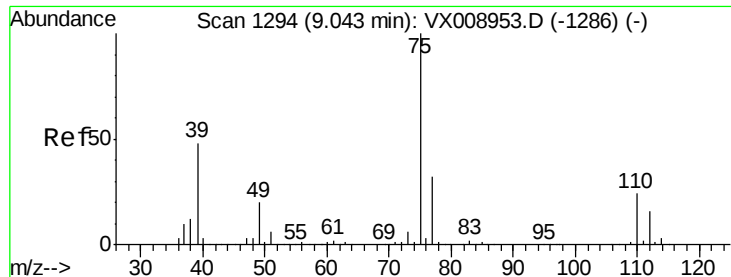
200000

100000

0

Time-->

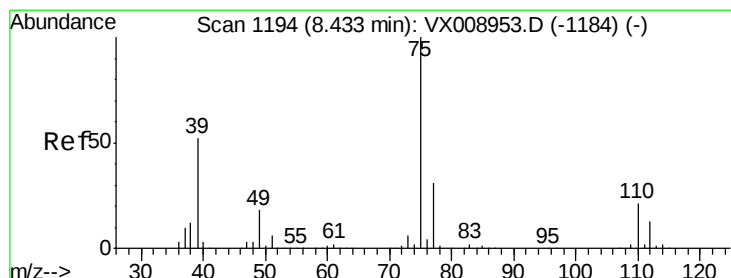
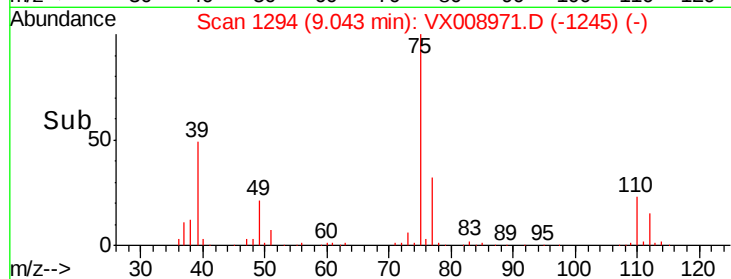
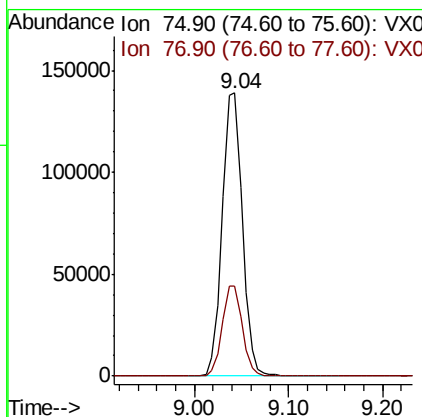
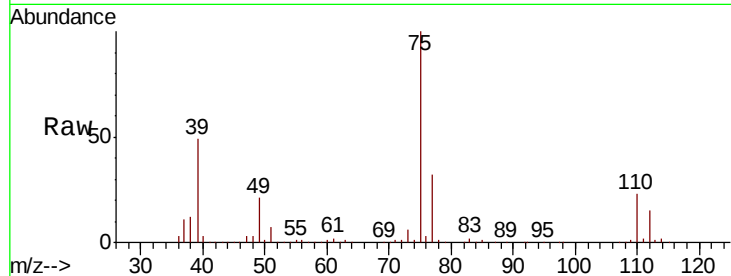




#53
 t-1,3-Dichloropropene
 Concen: 55.363 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

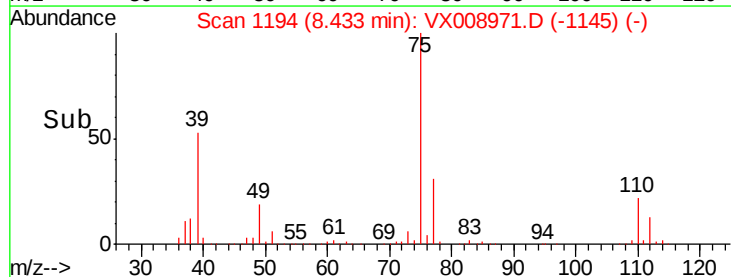
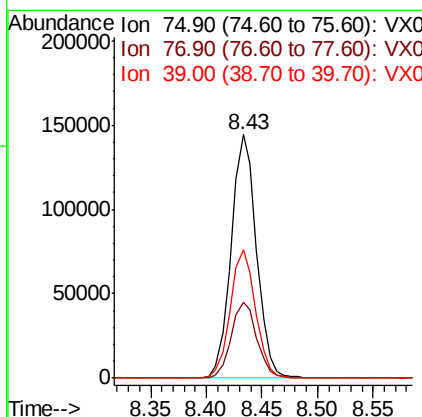
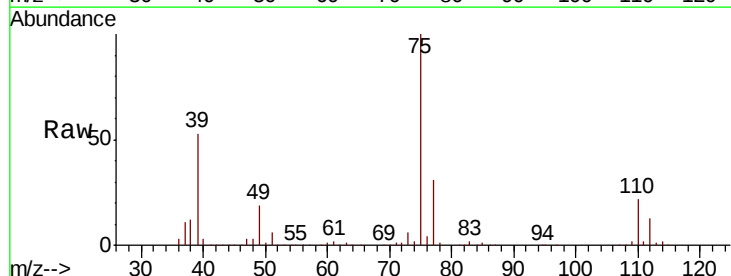
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

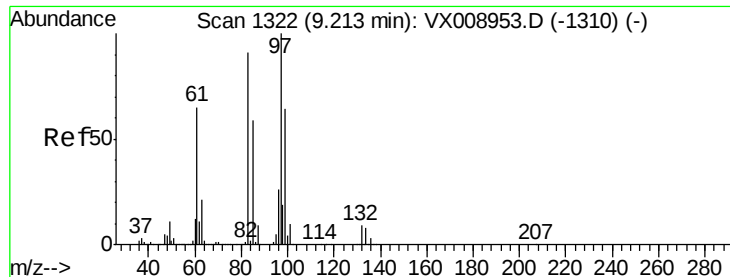
Tot Ion: 75 Resp: 206912
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 54.108 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion: 75 Resp: 226430
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2
 39 52.5 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 53.904 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

Tot Ion: 97 Resp: 131301

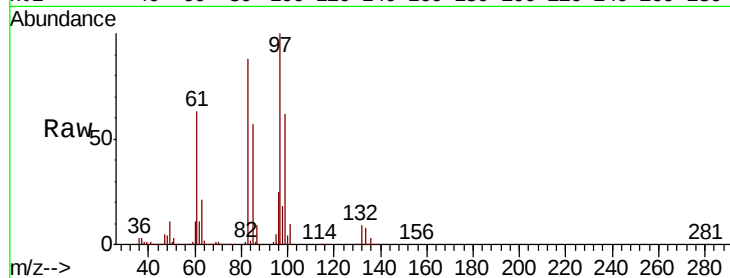
Ion Ratio Lower Upper

97 100

83 88.1 72.6 108.8

85 56.9 46.9 70.3

99 61.5 51.0 76.6

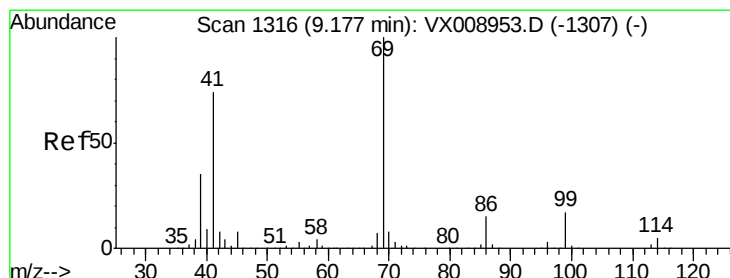
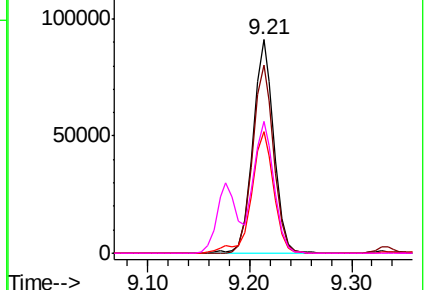
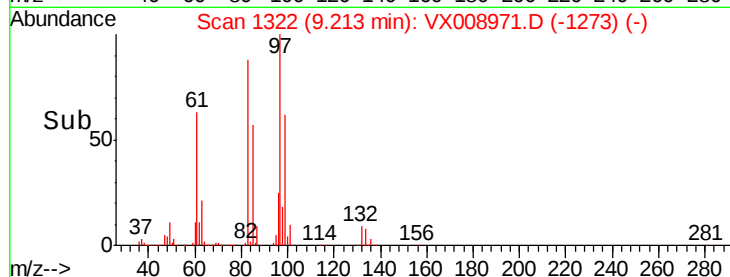


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 54.750 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

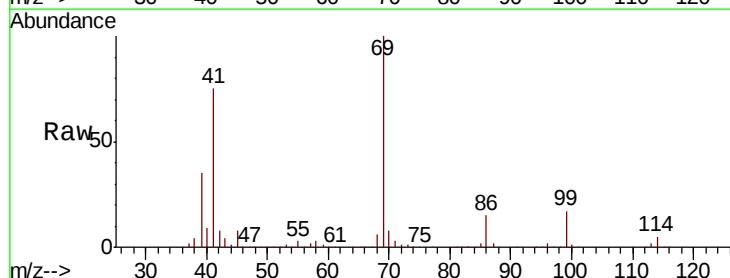
Tgt Ion: 69 Resp: 239128

Ion Ratio Lower Upper

69 100

41 75.6 60.2 90.2

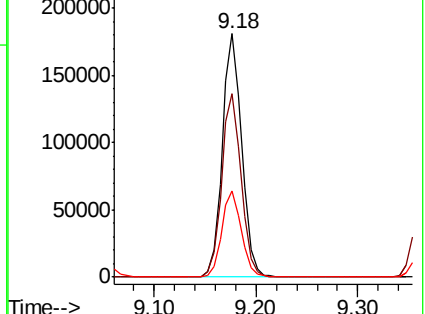
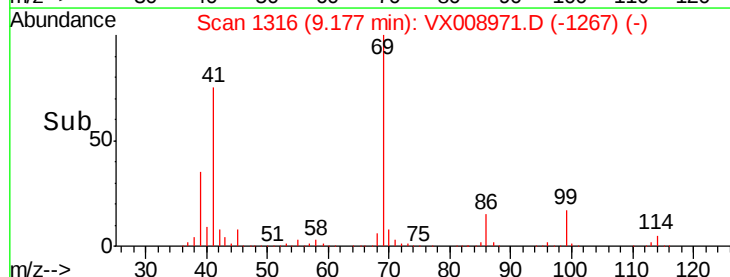
39 35.6 27.9 41.9

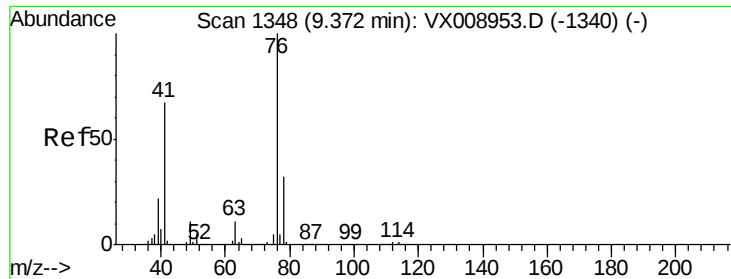


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 53.658 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

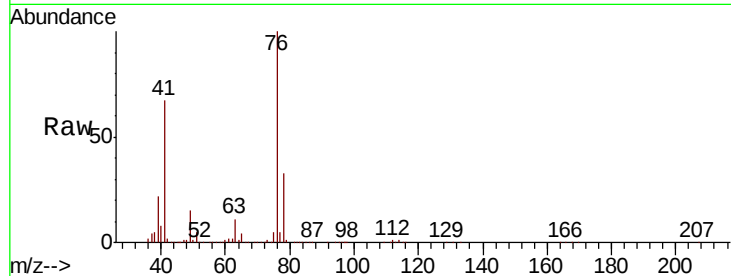
M-16-190410MSD

Tot Ion: 76 Resp: 232712

Ion Ratio Lower Upper

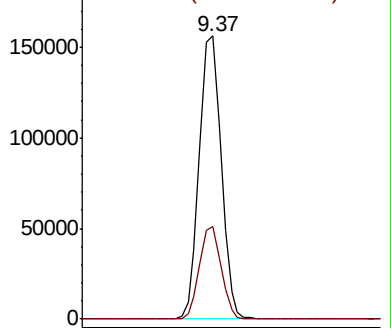
76 100

78 32.5 25.7 38.5

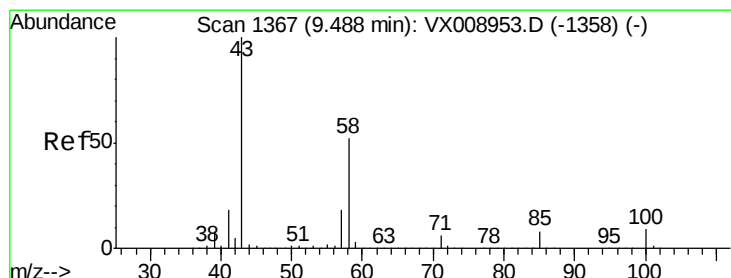
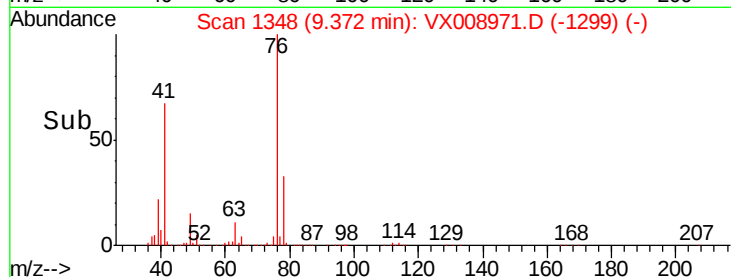


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#59

2-Hexanone

Concen: 258.312 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX008971.D

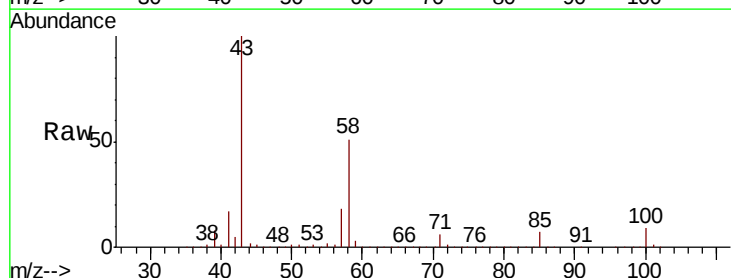
Acq: 15 Apr 2019 19:29

Tgt Ion: 43 Resp: 914557

Ion Ratio Lower Upper

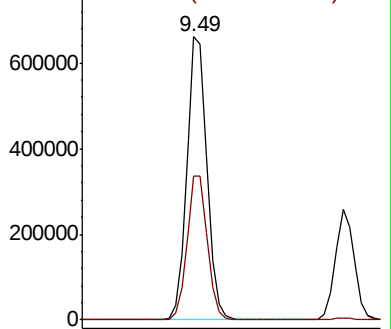
43 100

58 51.6 25.9 77.8

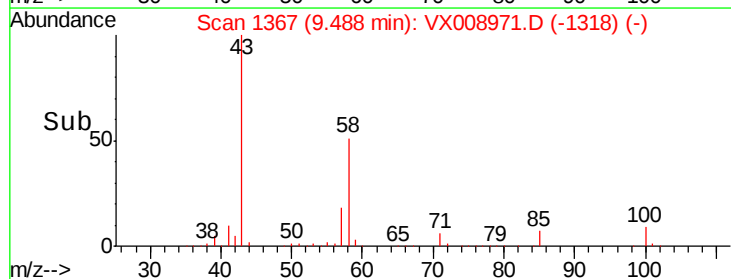


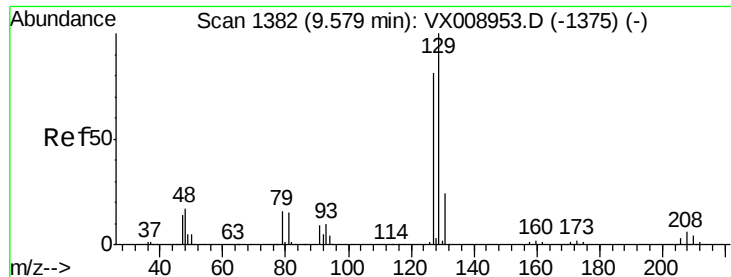
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#60

Dibromochloromethane

Concen: 55.724 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

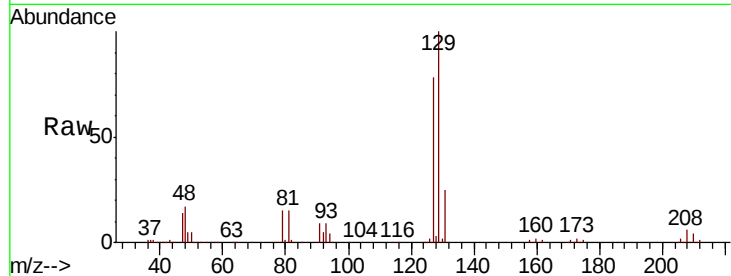
M-16-190410MSD

Tot Ion:129 Resp: 130089

Ion Ratio Lower Upper

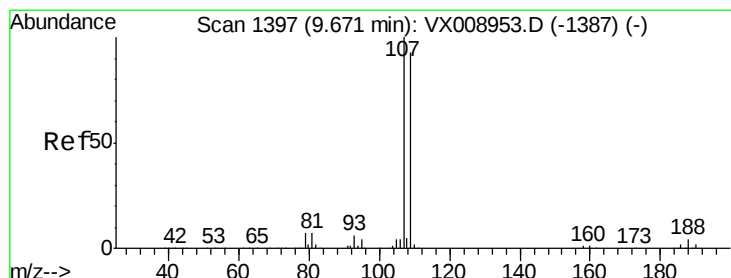
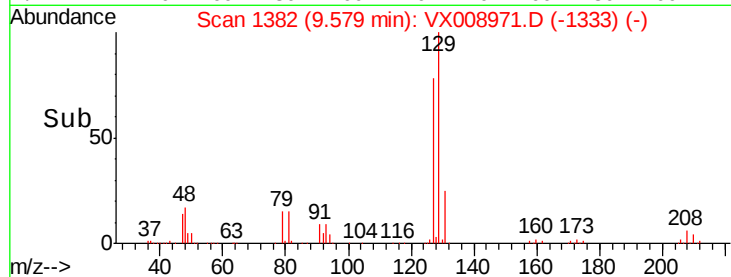
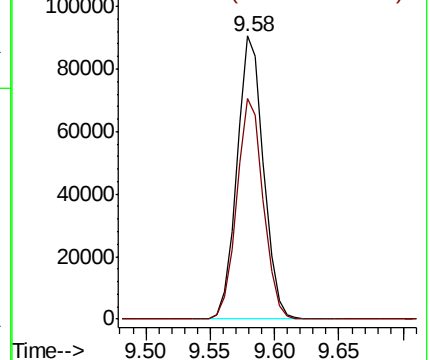
129 100

127 77.8 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.531 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008971.D

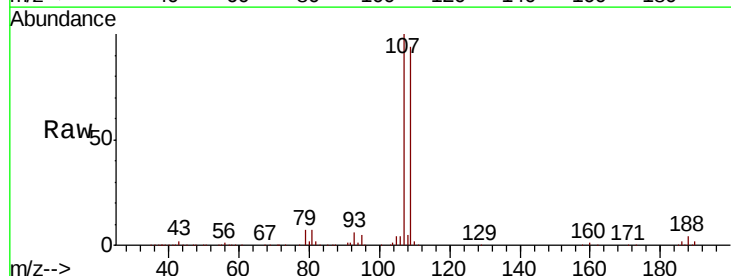
Acq: 15 Apr 2019 19:29

Tgt Ion:107 Resp: 134576

Ion Ratio Lower Upper

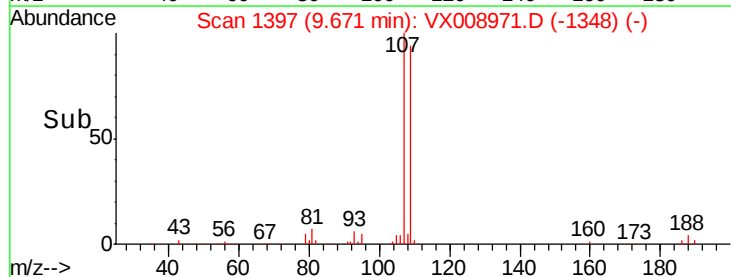
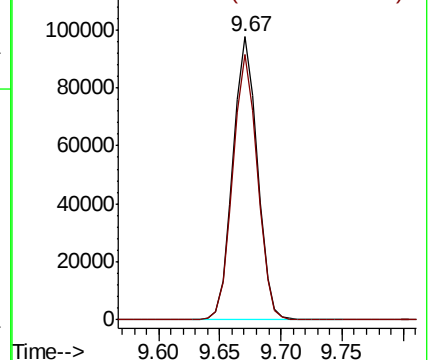
107 100

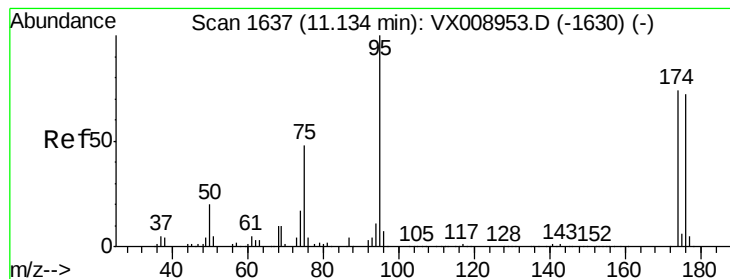
109 94.0 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 54.637 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

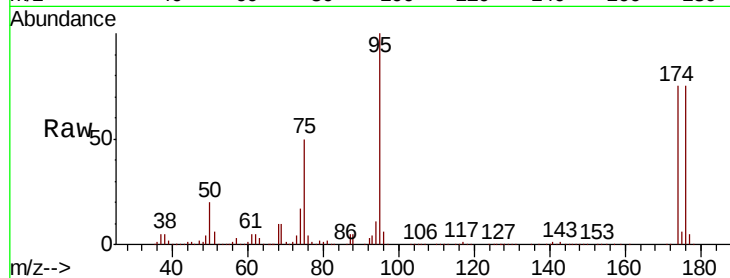
Tot Ion: 95 Resp: 165919

Ion Ratio Lower Upper

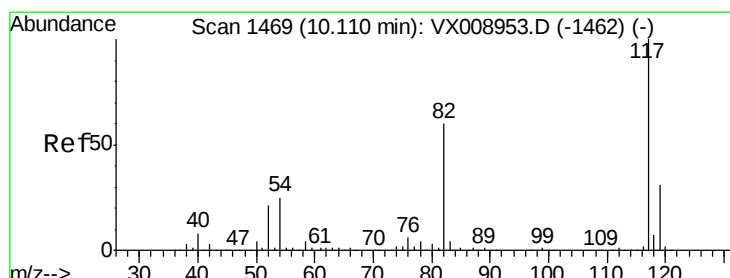
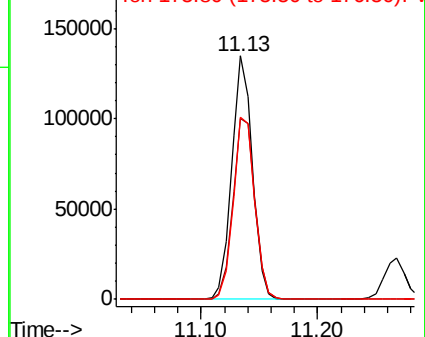
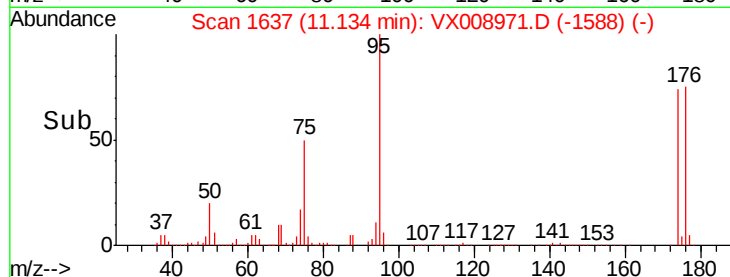
95 100

174 78.9 0.0 159.6

176 77.8 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008971.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

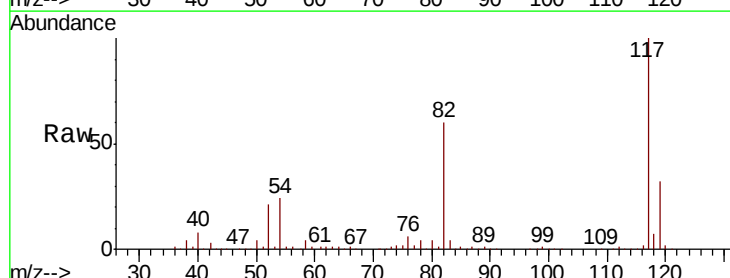
Tgt Ion: 117 Resp: 298012

Ion Ratio Lower Upper

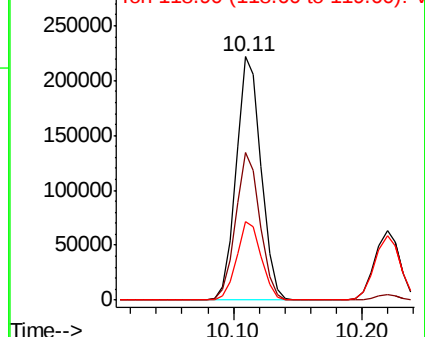
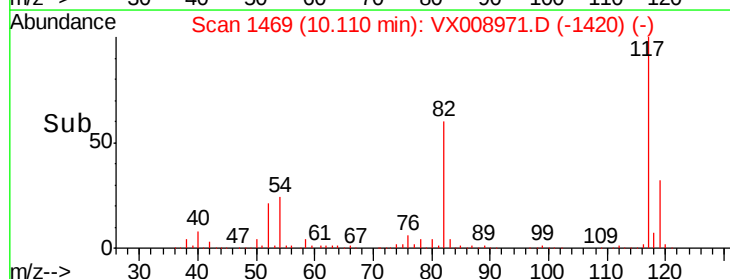
117 100

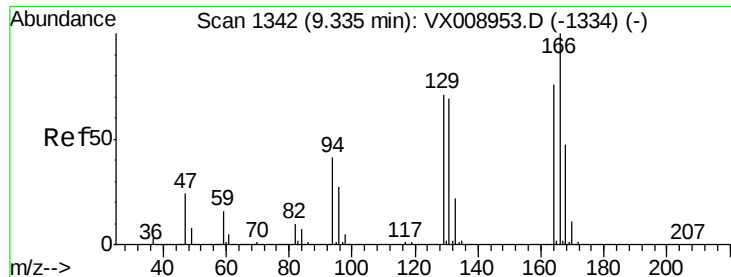
82 60.4 48.2 72.4

119 32.0 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): VX008971.D (-1420) (-)





#64

Tetrachloroethene

Concen: 64.254 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

Tot Ion:164 Resp: 145468

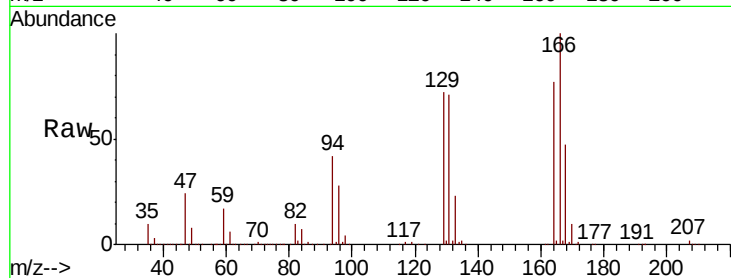
Ion Ratio Lower Upper

164 100

166 129.6 105.0 157.4

129 93.7 74.2 111.4

131 91.8 72.2 108.2

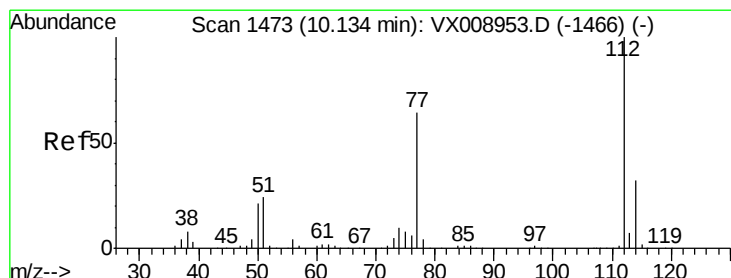
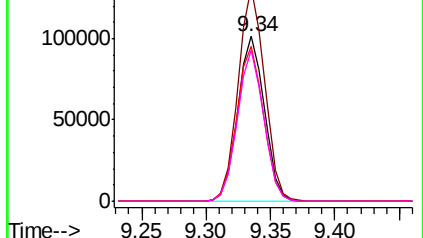
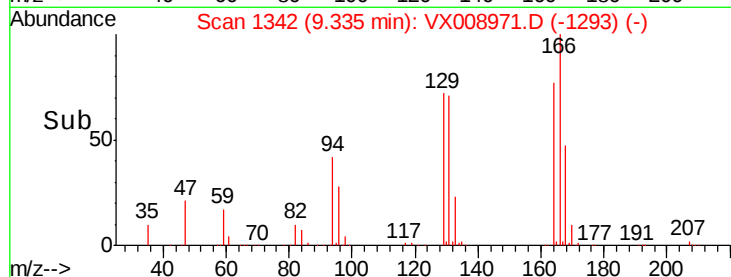


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.463 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008971.D

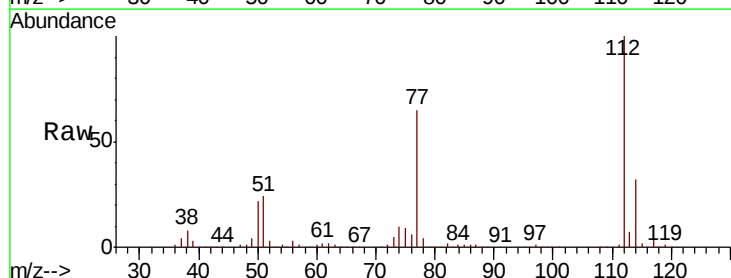
Acq: 15 Apr 2019 19:29

Tgt Ion:112 Resp: 330003

Ion Ratio Lower Upper

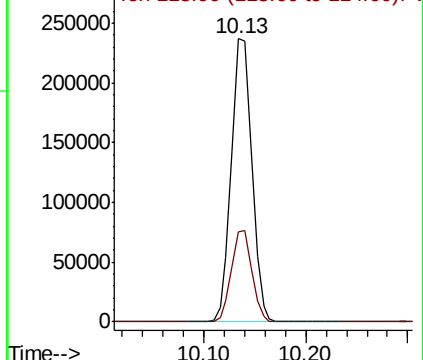
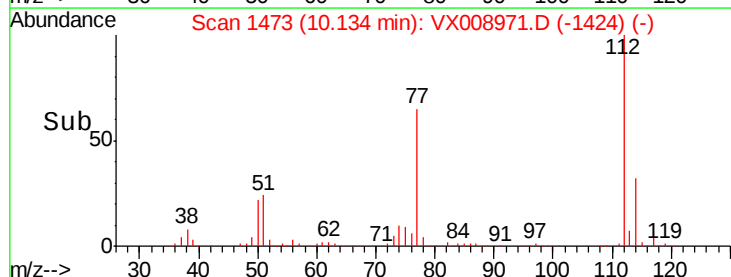
112 100

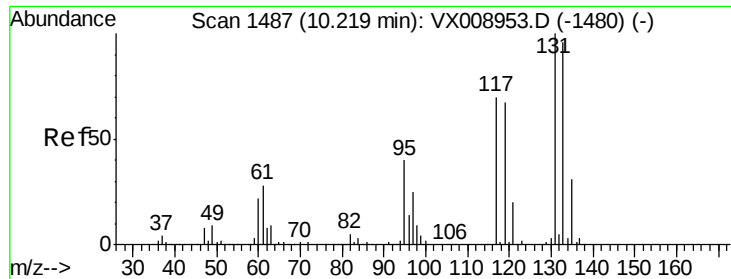
114 32.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

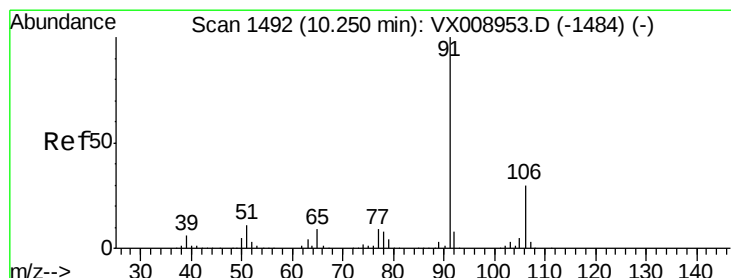
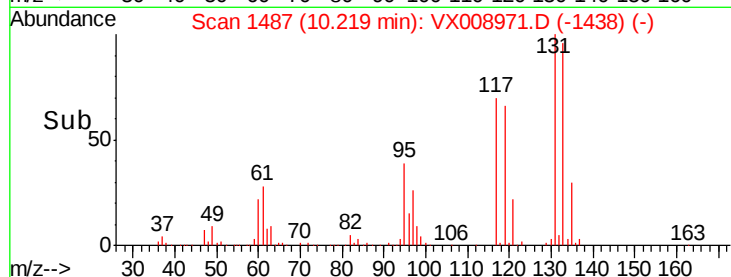
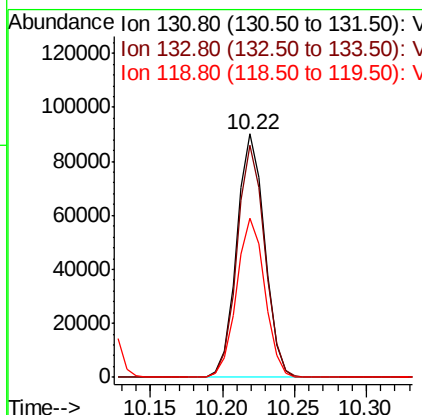
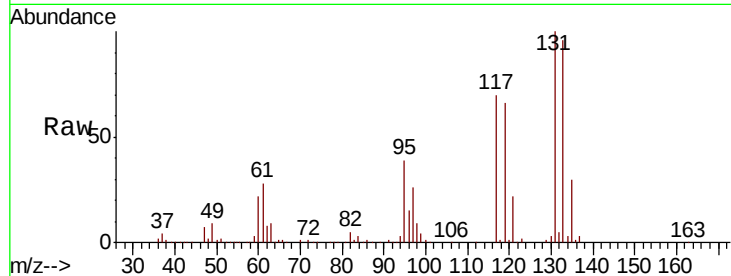




#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.958 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

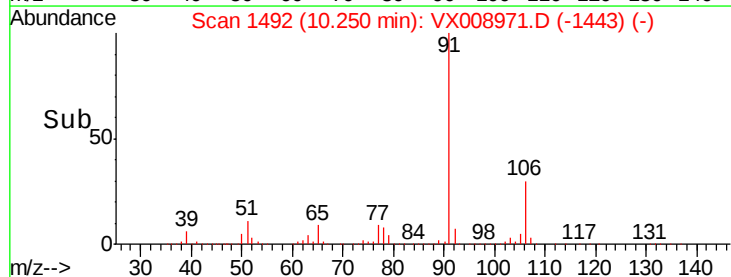
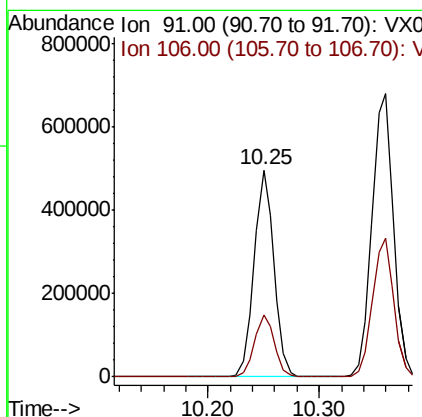
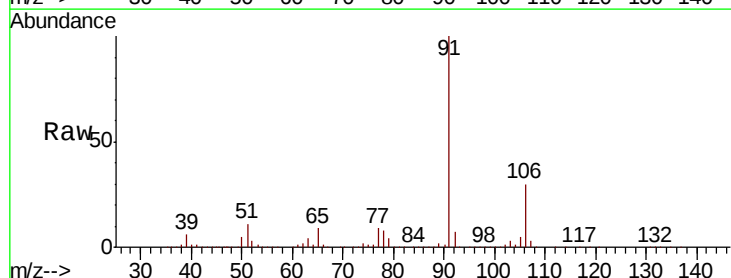
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

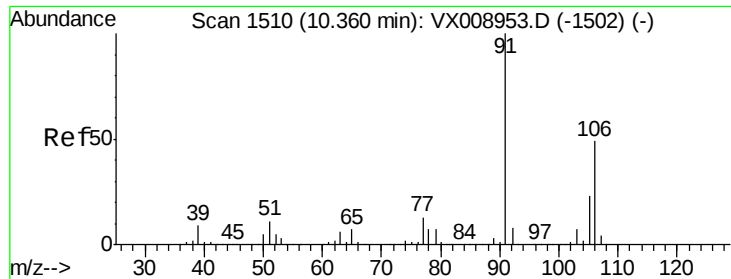
Tot Ion:131 Resp: 121785
 Ion Ratio Lower Upper
 131 100
 133 94.7 48.0 144.2
 119 66.3 33.7 101.1



#67
 Ethyl Benzene
 Concen: 53.718 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion: 91 Resp: 617690
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.3 36.5

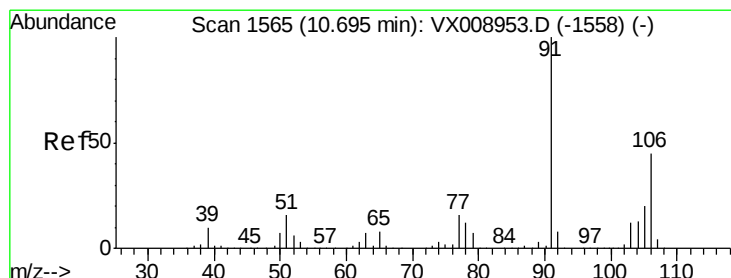
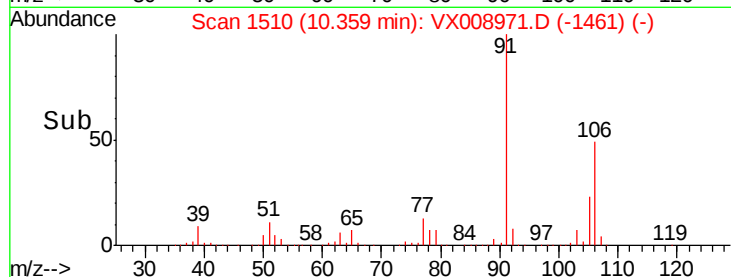
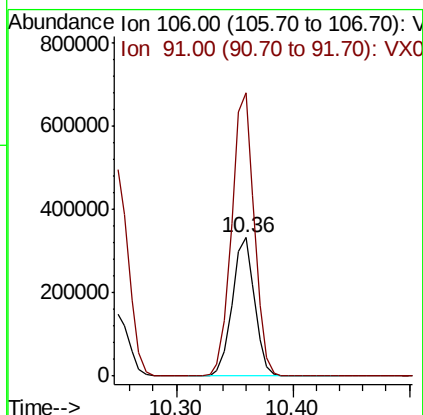
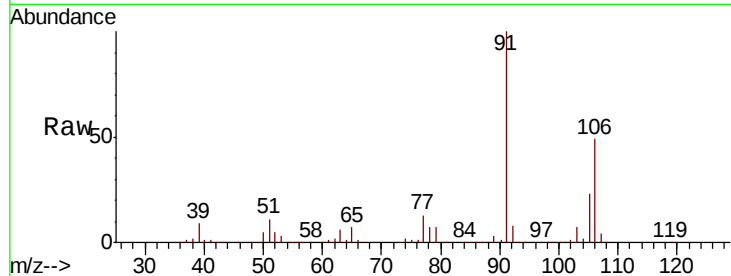




#68
m/p-Xylenes
Concen: 106.384 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

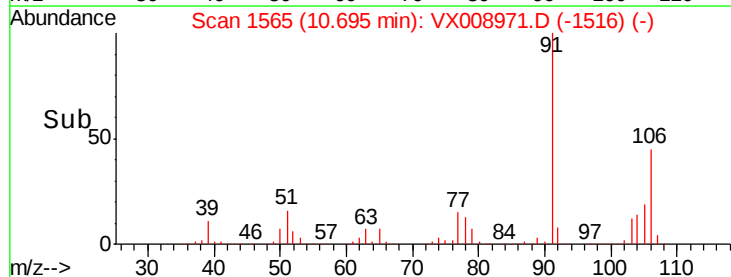
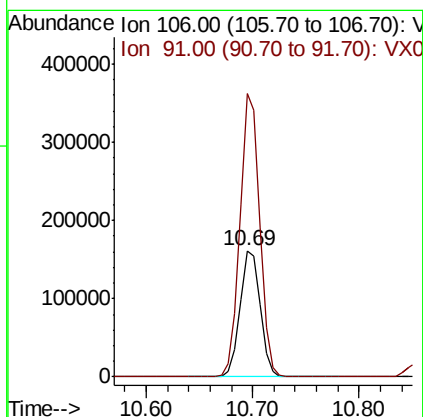
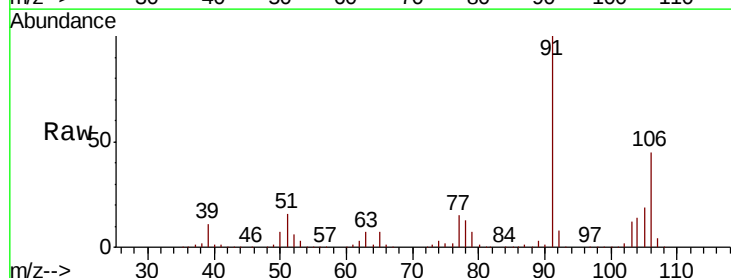
Instrument :
MSVOA_X
ClientSampleId :
M-16-190410MSD

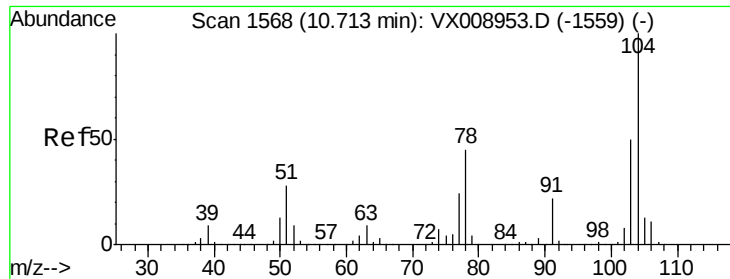
Tot Ion:106 Resp: 444573
Ion Ratio Lower Upper
106 100
91 206.6 165.4 248.2



#69
o-Xylene
Concen: 52.996 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008971.D
Acq: 15 Apr 2019 19:29

Tgt Ion:106 Resp: 215491
Ion Ratio Lower Upper
106 100
91 219.9 108.9 326.7





#70

Stvrene

Concen: 52.099 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

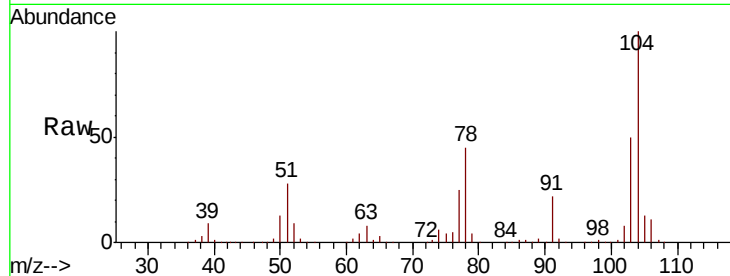
Tot Ion:104 Resp: 367109

Ion Ratio Lower Upper

104 100

78 52.0 41.2 61.8

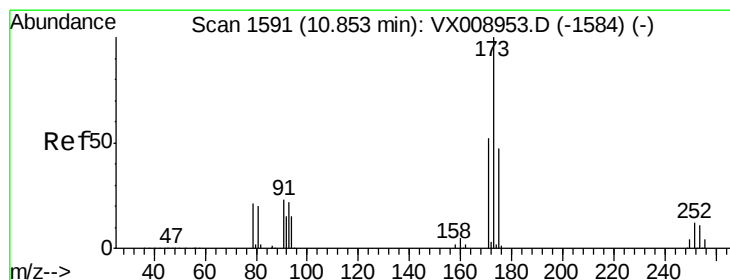
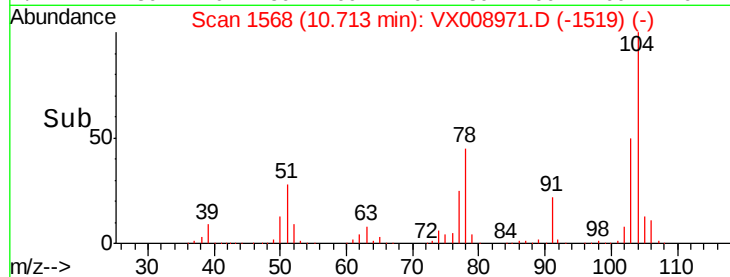
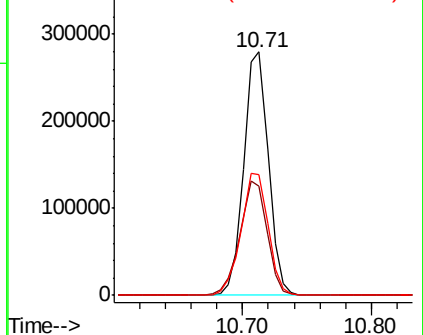
103 55.7 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 54.187 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

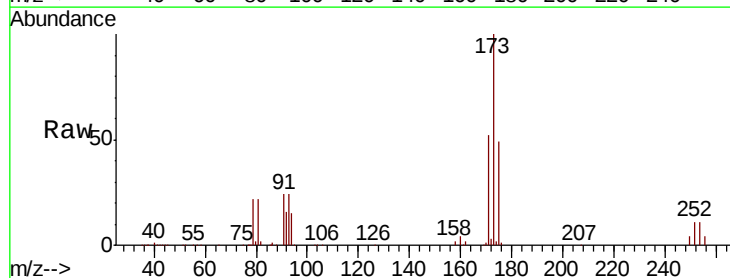
Tgt Ion:173 Resp: 95663

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.8

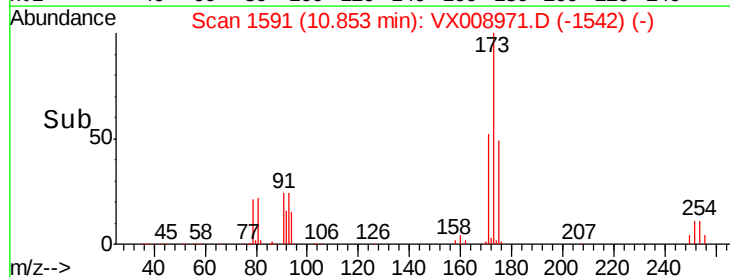
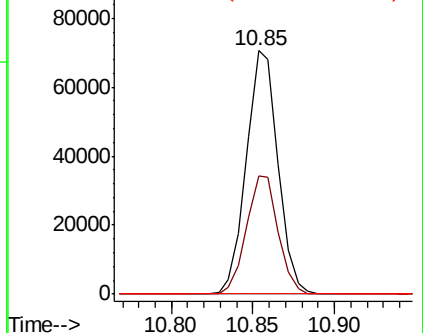
254 0.1 0.2 0.4#

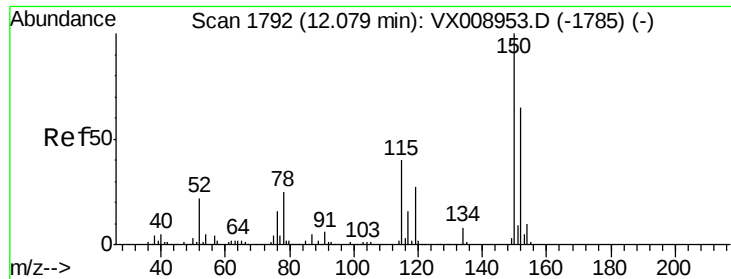


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

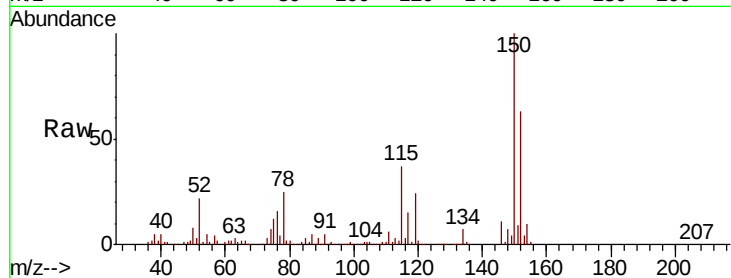
Tot Ion:152 Resp: 136535

Ion Ratio Lower Upper

152 100

115 84.4 41.4 124.2

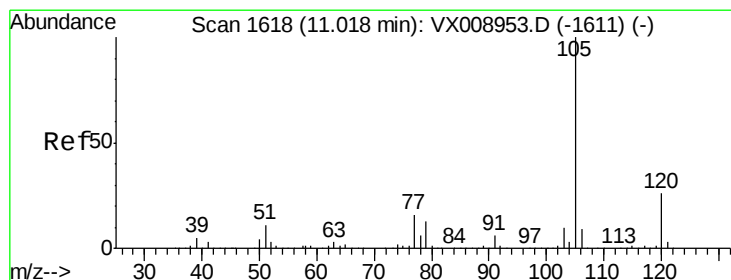
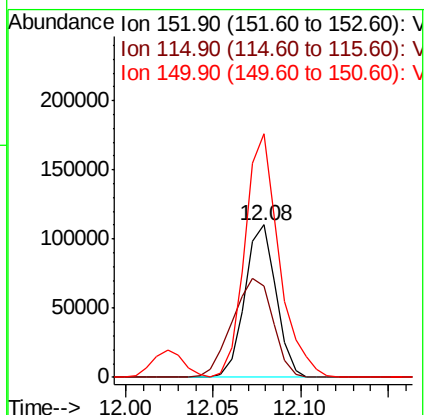
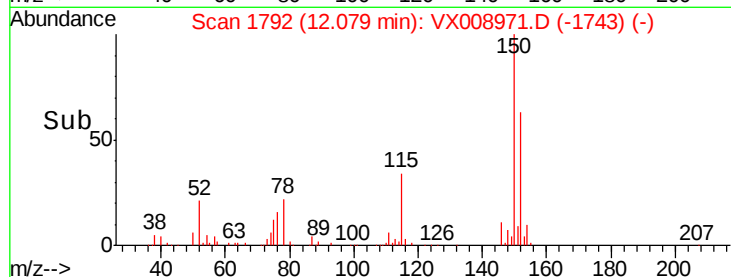
150 174.4 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 55.468 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008971.D

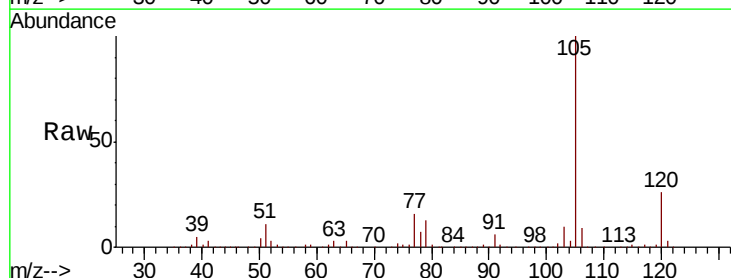
Acq: 15 Apr 2019 19:29

Tgt Ion:105 Resp: 574047

Ion Ratio Lower Upper

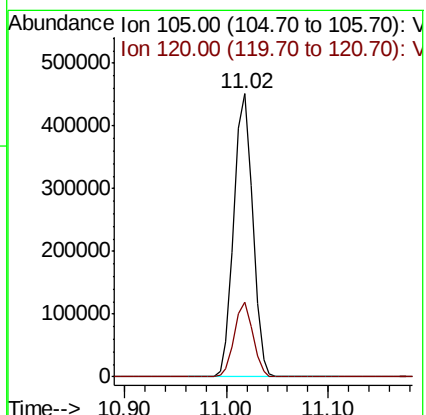
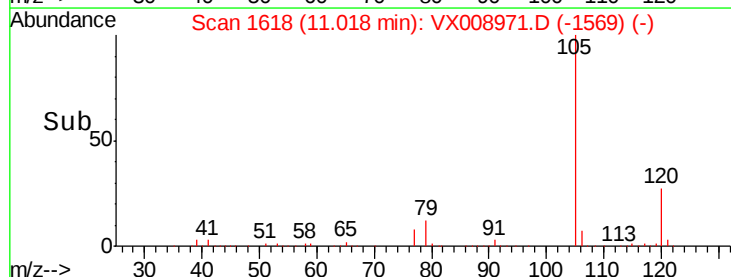
105 100

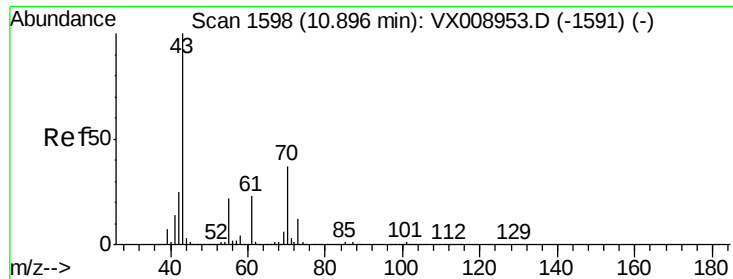
120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.289 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

Tot Ion: 43 Resp: 310717

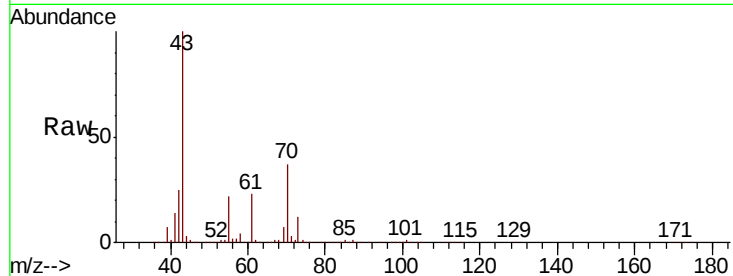
Ion Ratio Lower Upper

43 100

70 37.2 29.9 44.9

55 22.4 17.8 26.8

61 22.9 18.3 27.5

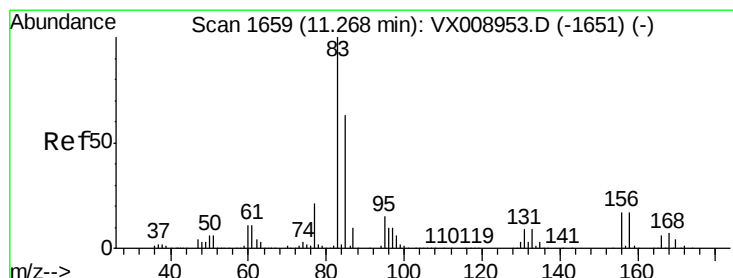
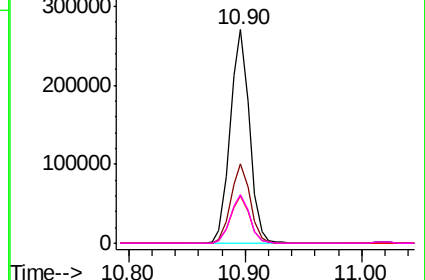
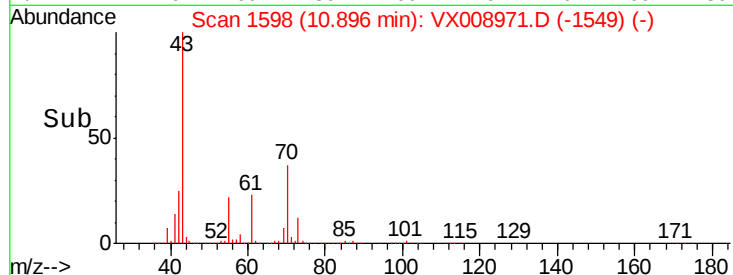


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.699 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

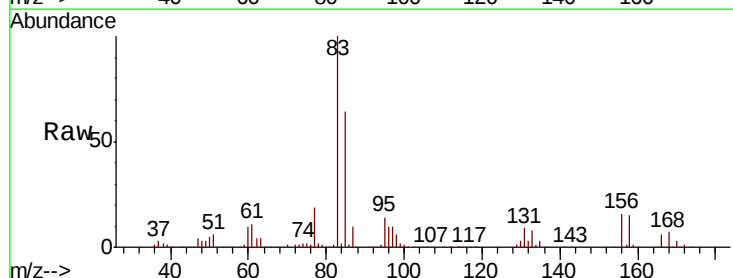
Tgt Ion: 83 Resp: 203055

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

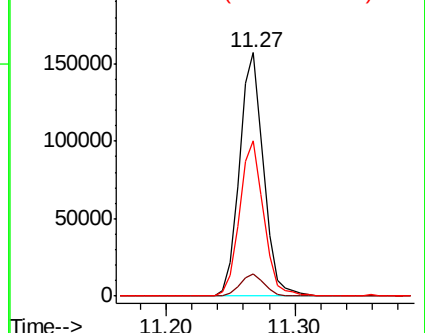
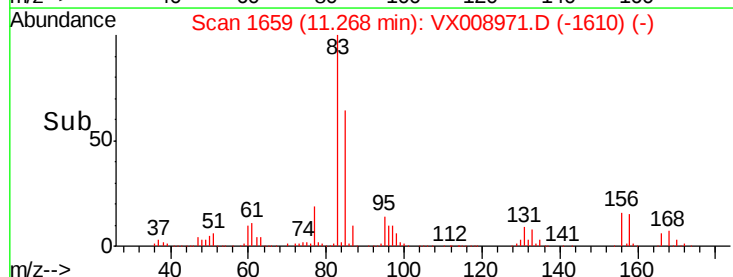
85 64.1 31.9 95.9

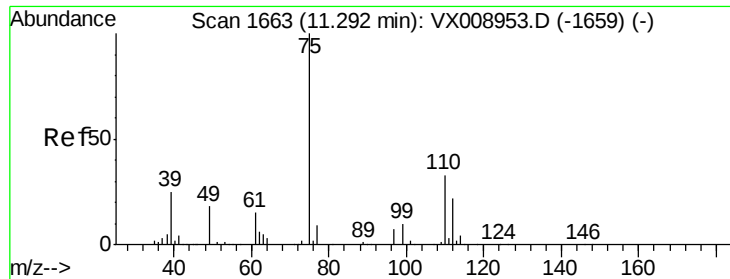


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 73.377 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

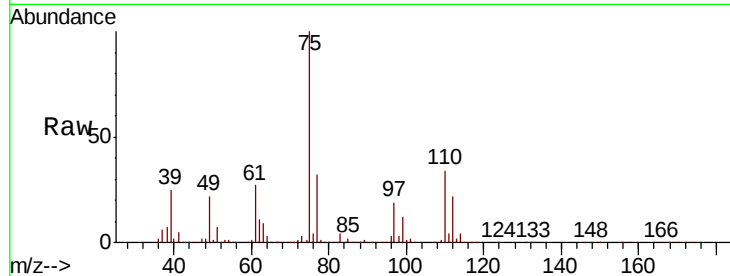
M-16-190410MSD

Tot Ion: 75 Resp: 244632

Ion Ratio Lower Upper

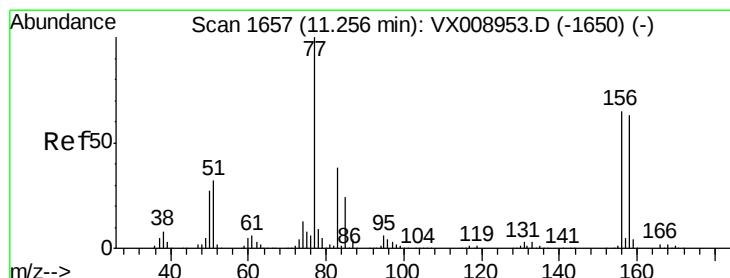
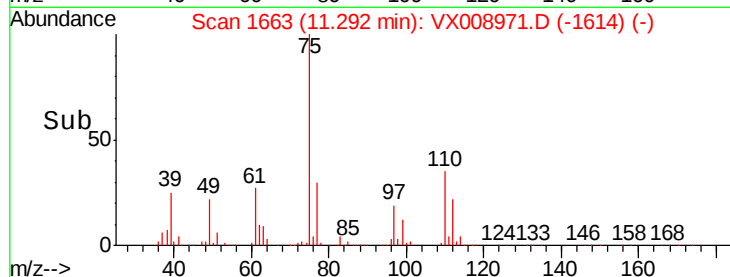
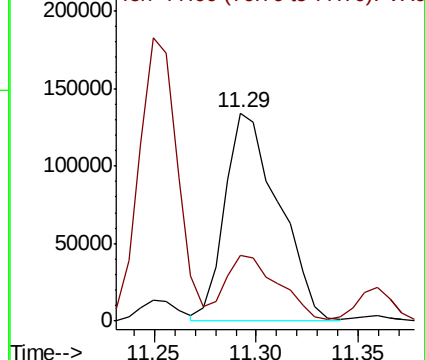
75 100

77 31.7 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 53.200 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

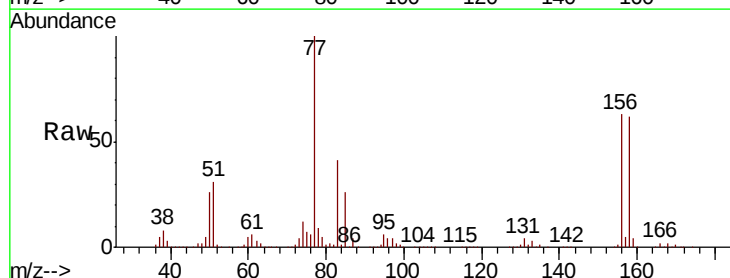
Tgt Ion: 156 Resp: 138915

Ion Ratio Lower Upper

156 100

77 170.9 85.4 256.1

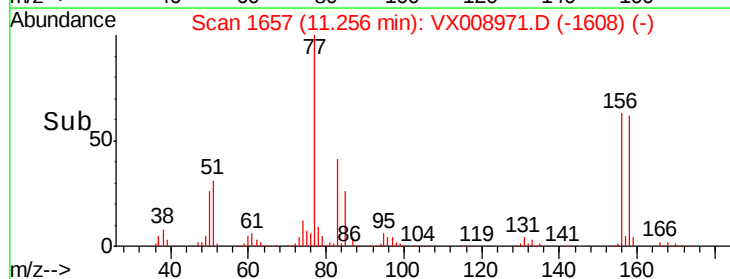
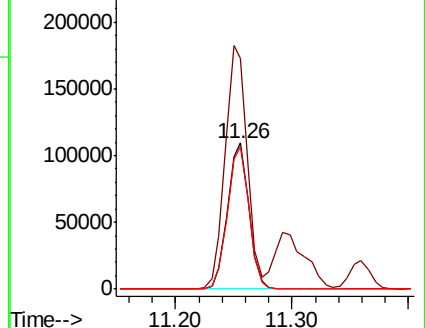
158 97.8 48.8 146.4

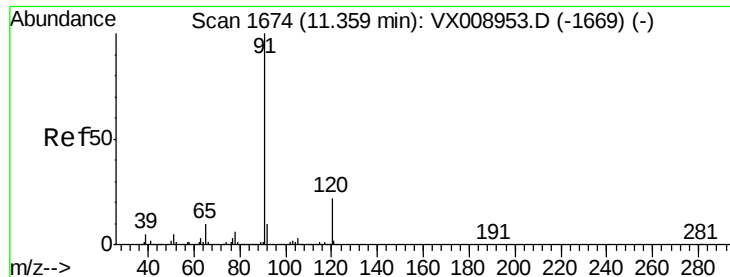


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 55.482 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

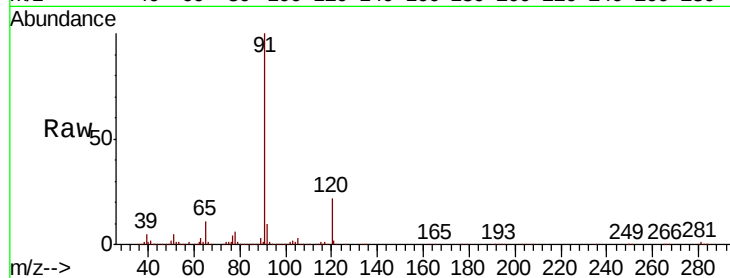
M-16-190410MSD

Tot Ion: 91 Resp: 659048

Ion Ratio Lower Upper

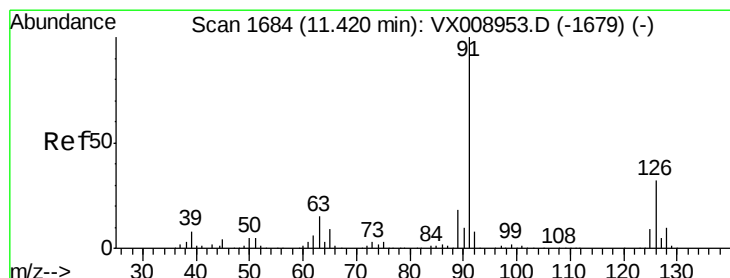
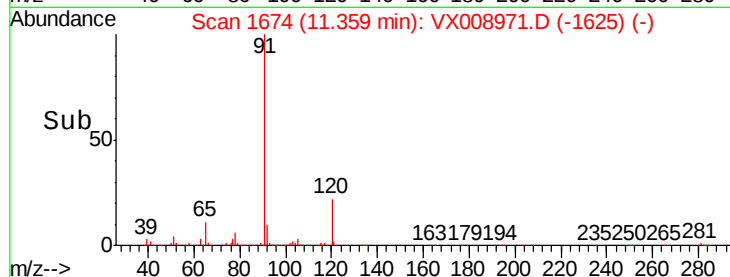
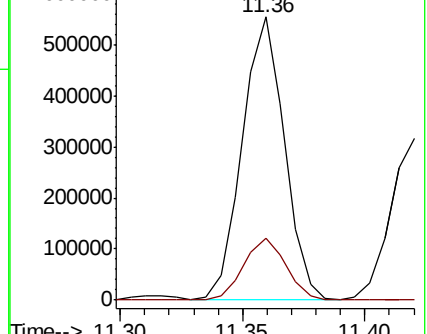
91 100

120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 54.355 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008971.D

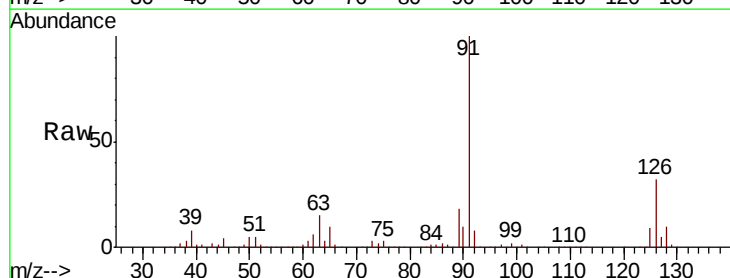
Acq: 15 Apr 2019 19:29

Tgt Ion: 91 Resp: 389075

Ion Ratio Lower Upper

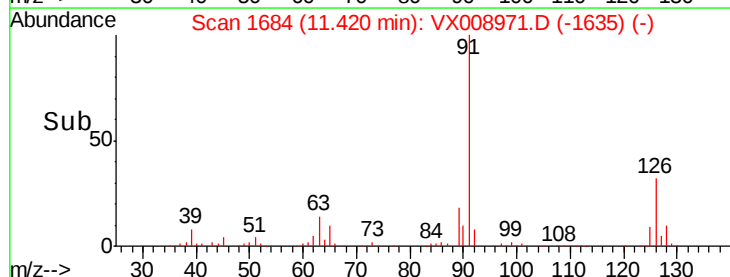
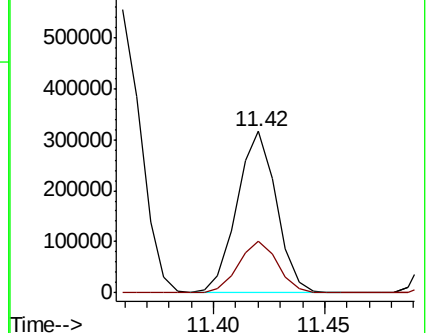
91 100

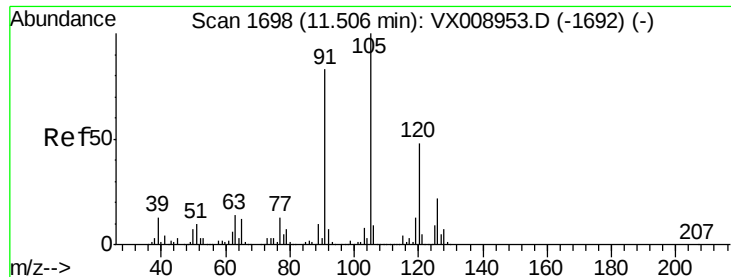
126 32.2 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

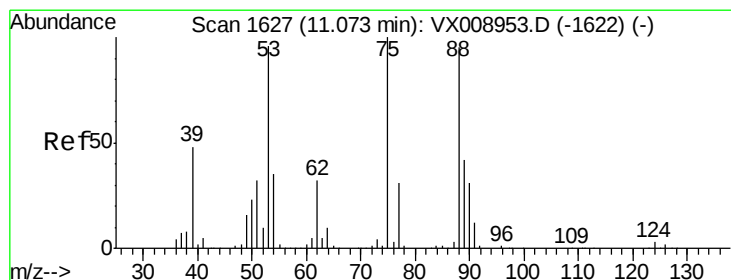
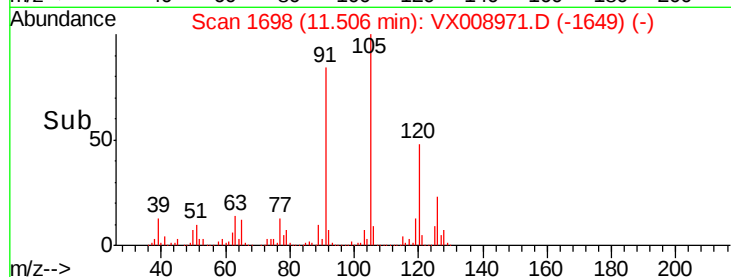
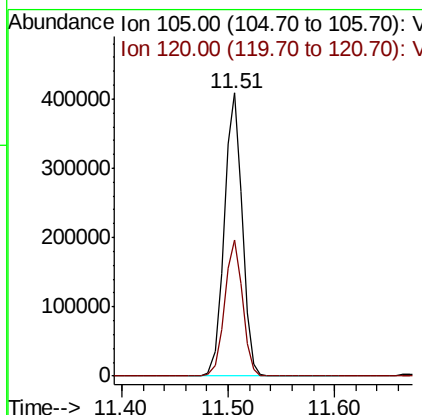
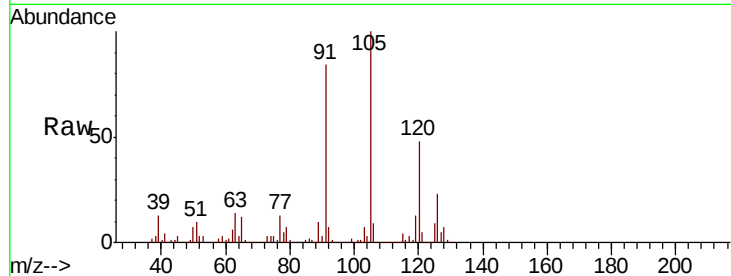




#80
 1,3,5-Trimethylbenzene
 Concen: 55.368 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

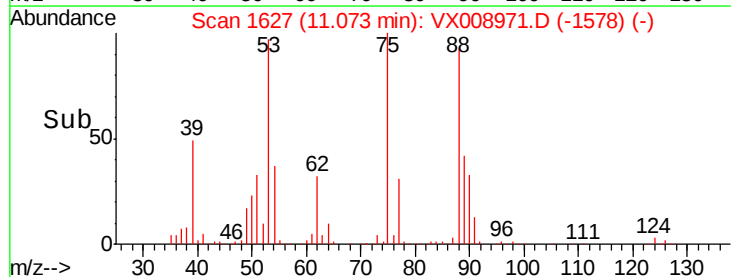
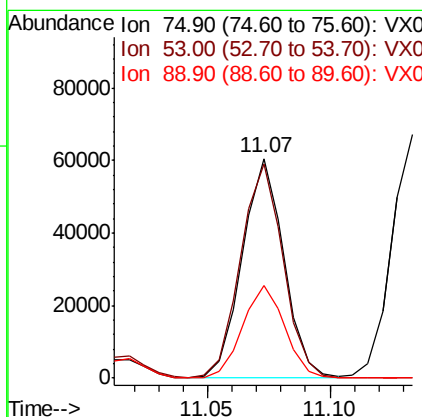
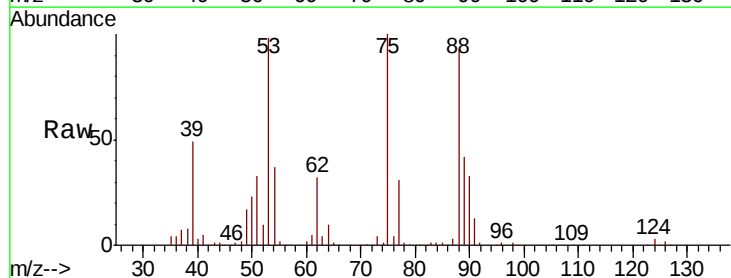
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

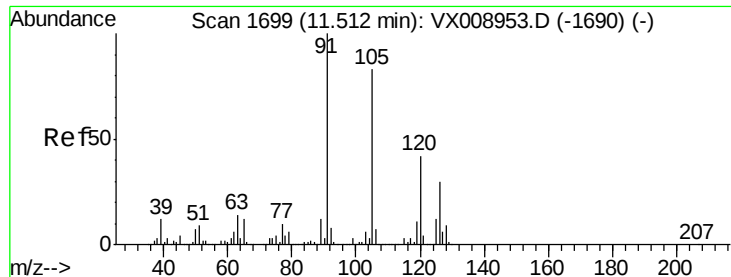
Tot Ion:105 Resp: 480849
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.972 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion: 75 Resp: 71388
 Ion Ratio Lower Upper
 75 100
 53 99.7 78.2 117.4
 89 42.6 36.0 54.0





#82

4-Chlorotoluene

Concen: 53.947 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

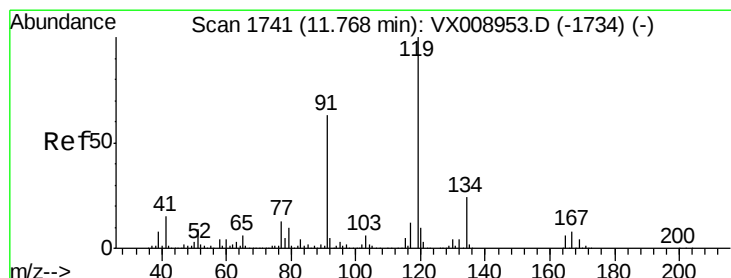
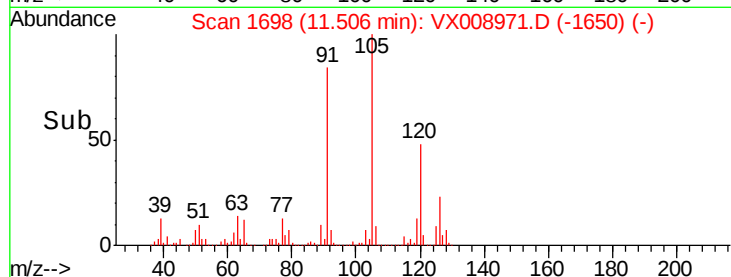
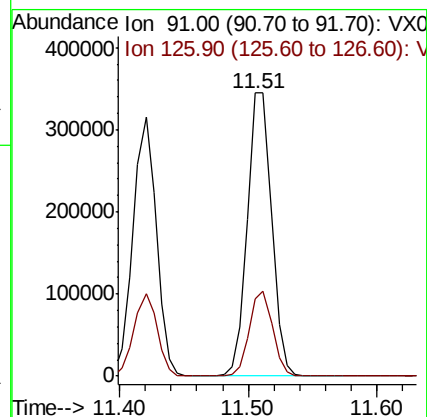
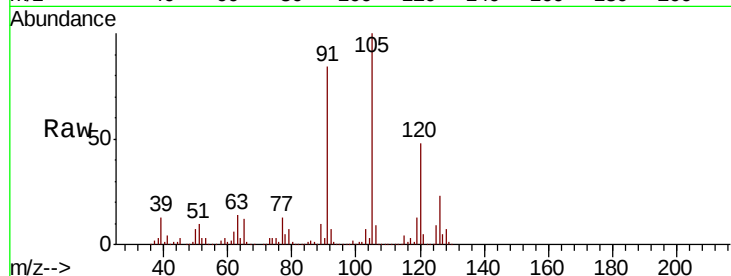
M-16-190410MSD

Tot Ion: 91 Resp: 448471

Ion Ratio Lower Upper

91 100

126 28.5 14.3 42.9



#83

tert-Butylbenzene

Concen: 54.740 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

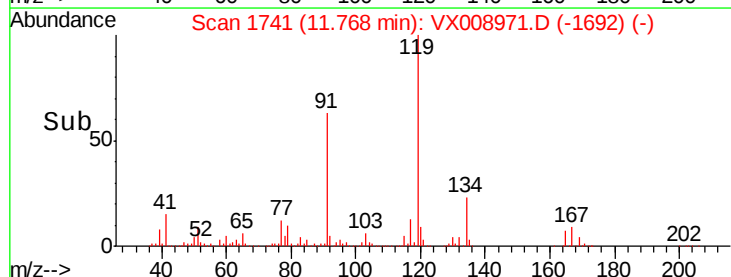
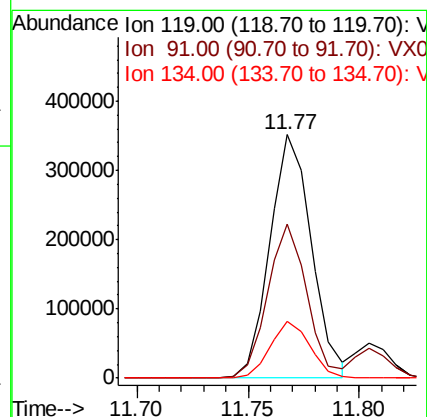
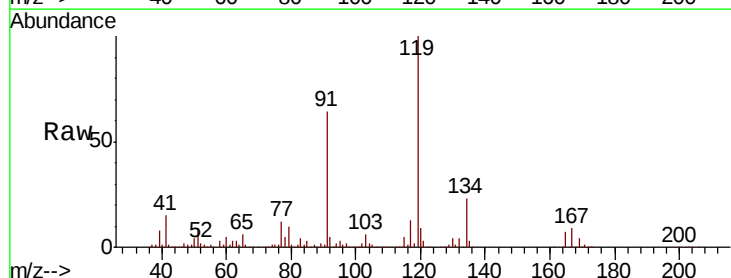
Tgt Ion: 119 Resp: 456425

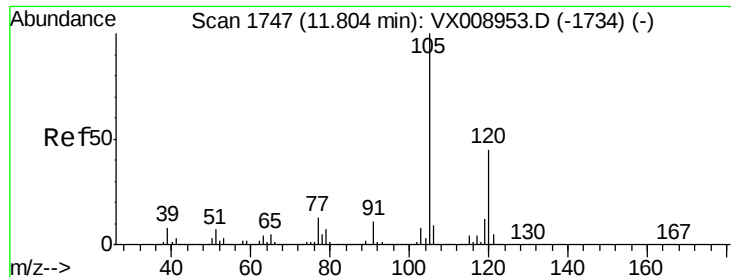
Ion Ratio Lower Upper

119 100

91 59.6 29.7 89.1

134 22.4 11.2 33.5

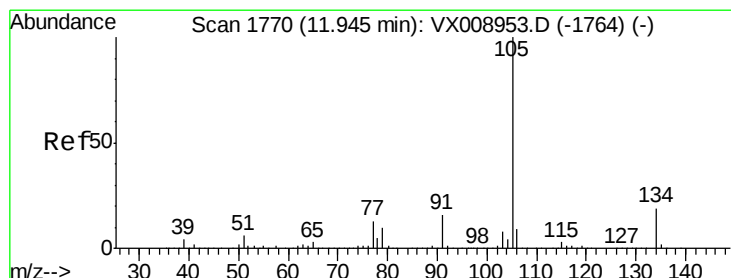
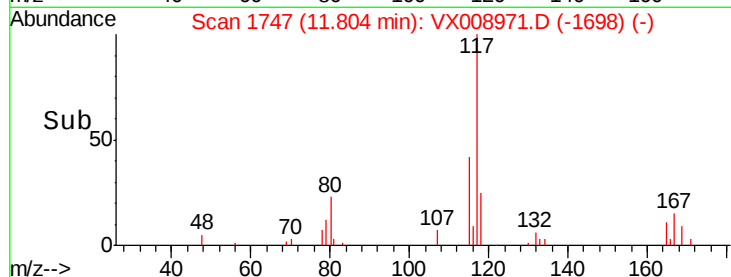
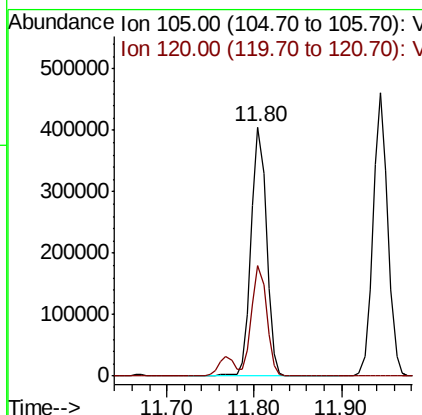
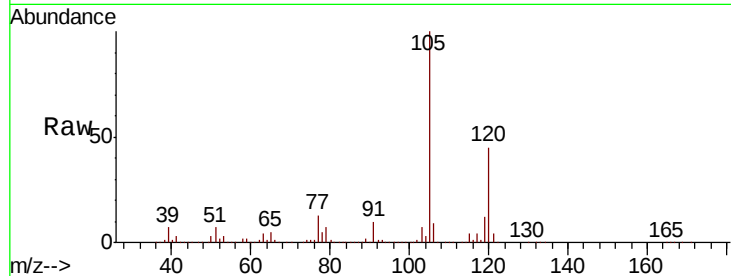




#84
 1,2,4-Trimethylbenzene
 Concen: 55.171 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

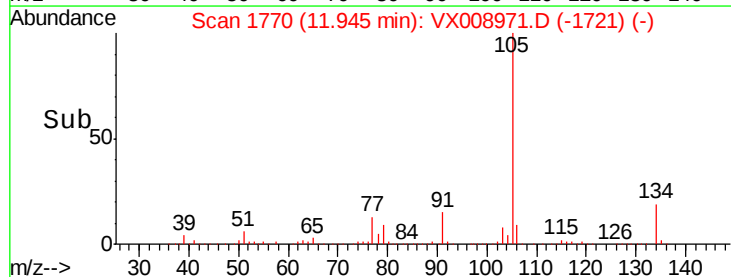
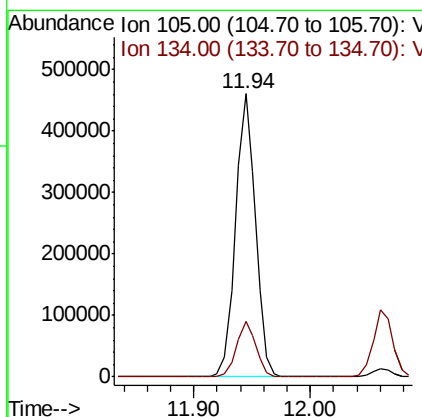
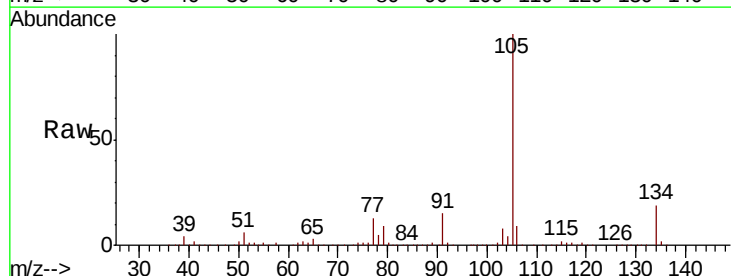
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

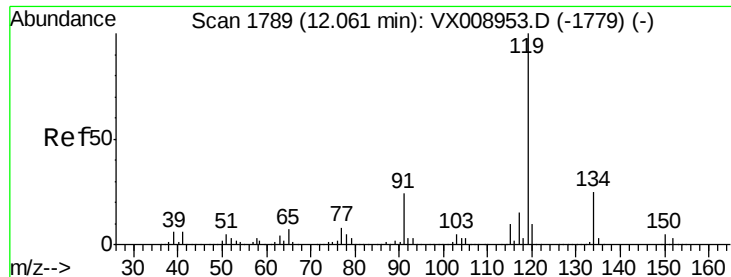
Tot Ion:105 Resp: 487723
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.8



#85
 sec-Butylbenzene
 Concen: 54.984 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion:105 Resp: 546784
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.6 28.6

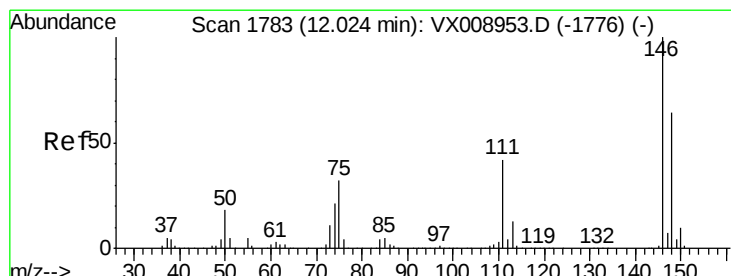
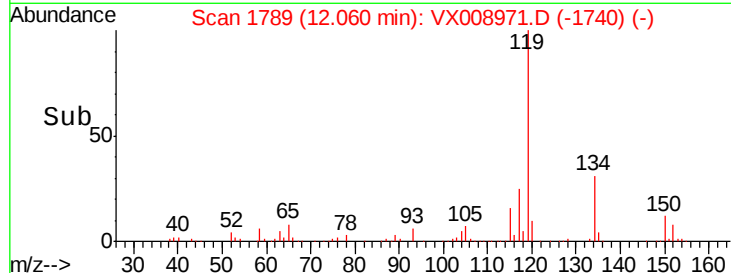
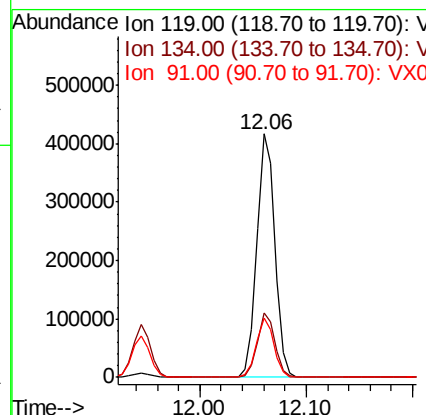
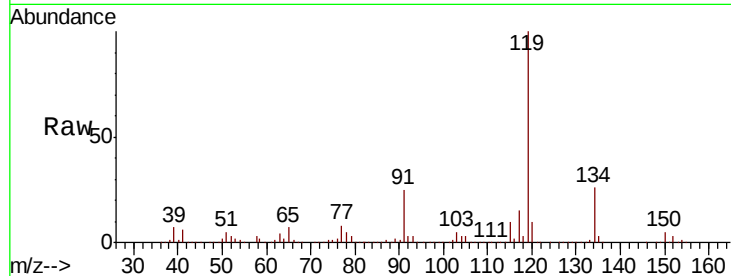




#86
 p-Isopropyltoluene
 Concen: 54.179 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

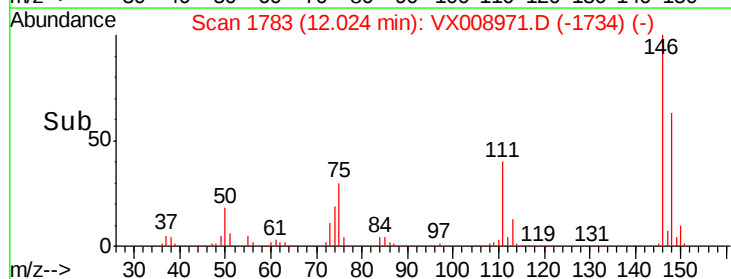
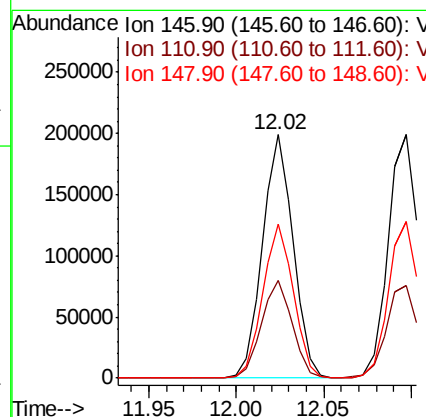
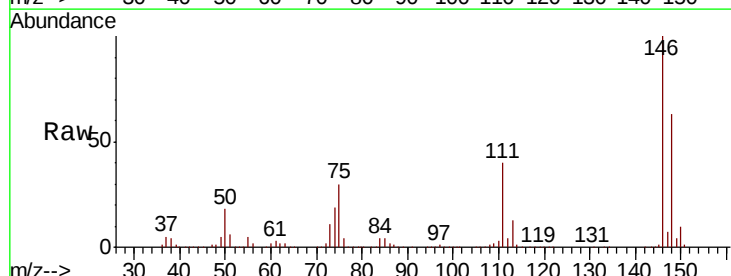
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

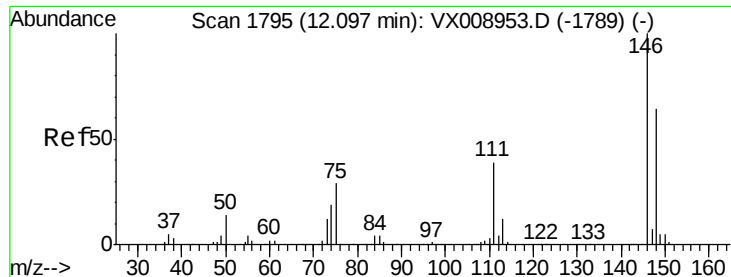
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	23.8	11.9	35.5



#87
 1,3-Dichlorobenzene
 Concen: 52.954 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.6
148	63.4	32.2	96.6

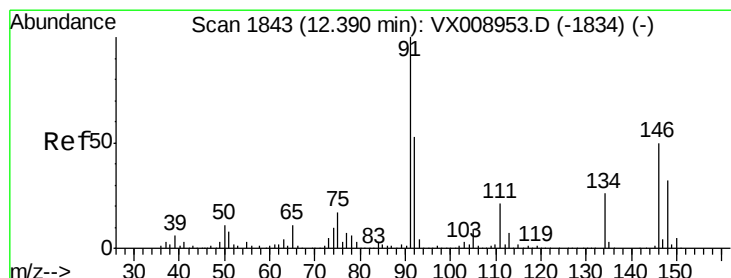
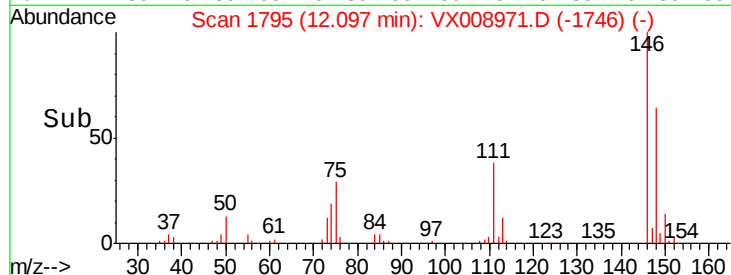
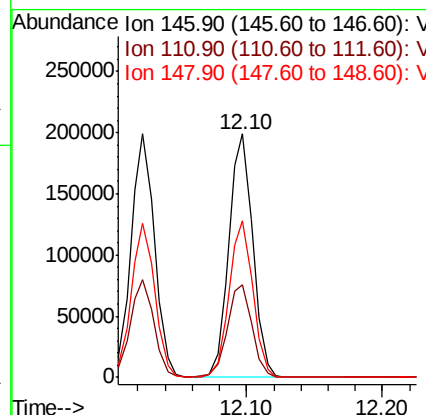
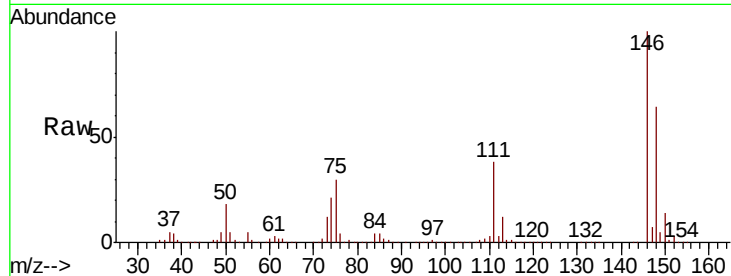




#88
 1,4-Dichlorobenzene
 Concen: 52.140 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

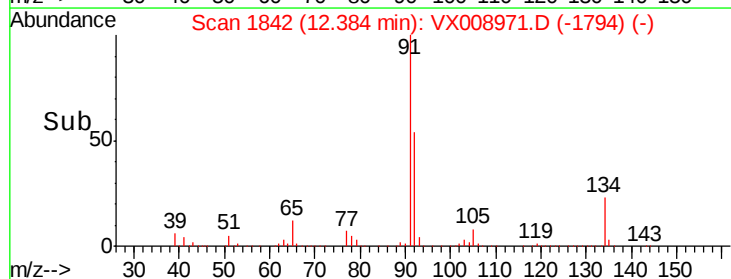
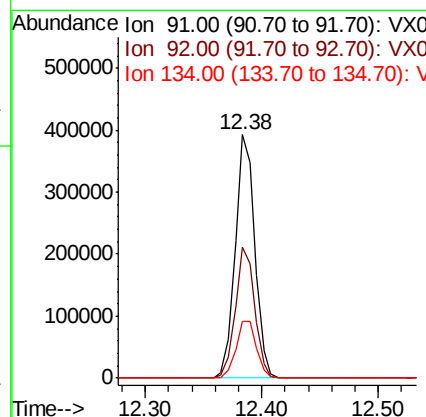
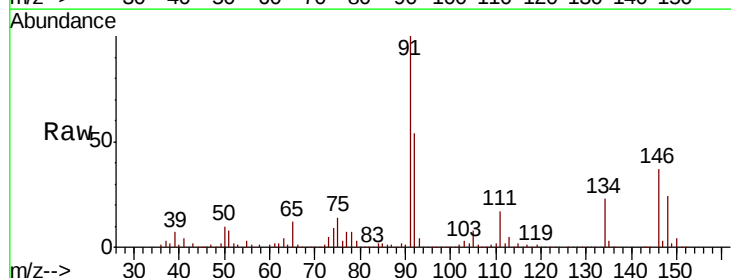
Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

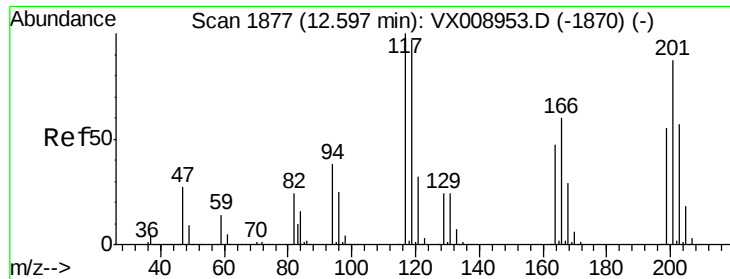
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	59.9
148	63.8	32.2	96.6



#89
 n-Butylbenzene
 Concen: 53.944 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	24.7	12.4	37.2





#90

Hexachloroethane

Concen: 56.291 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

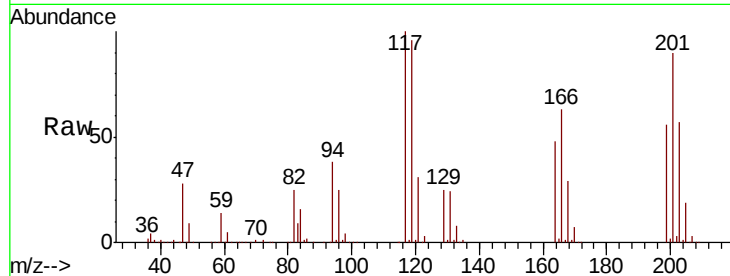
M-16-190410MSD

Tot Ion:117 Resp: 84894

Ion Ratio Lower Upper

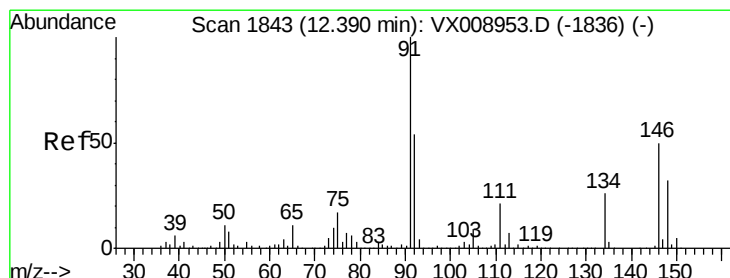
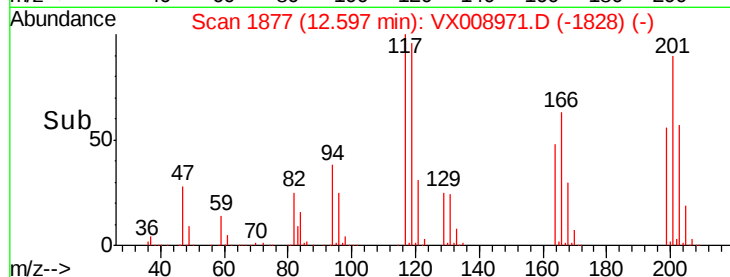
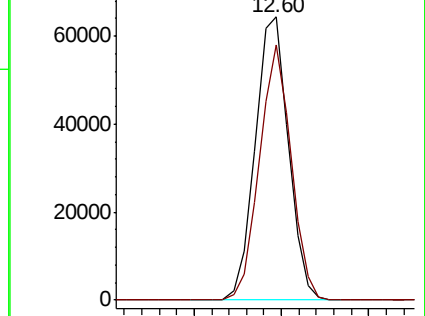
117 100

201 85.9 43.0 129.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 52.894 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

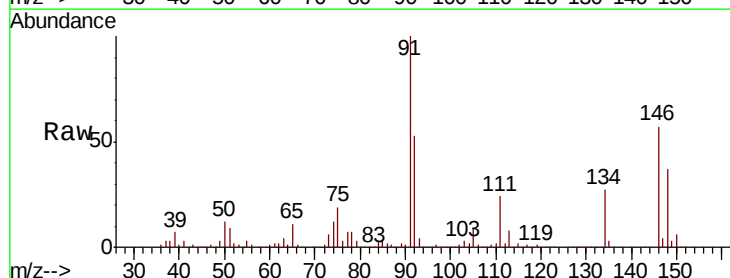
Tgt Ion:146 Resp: 238705

Ion Ratio Lower Upper

146 100

111 41.9 20.6 61.9

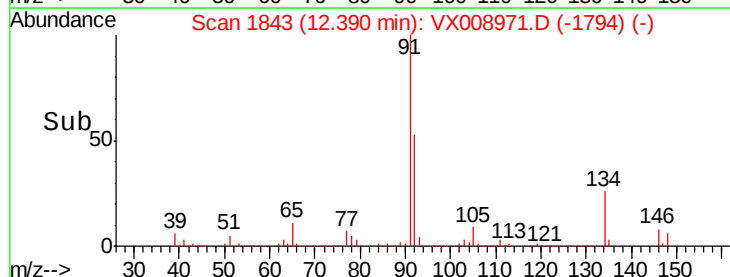
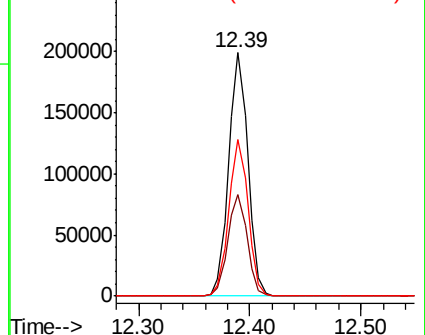
148 64.3 32.0 96.2

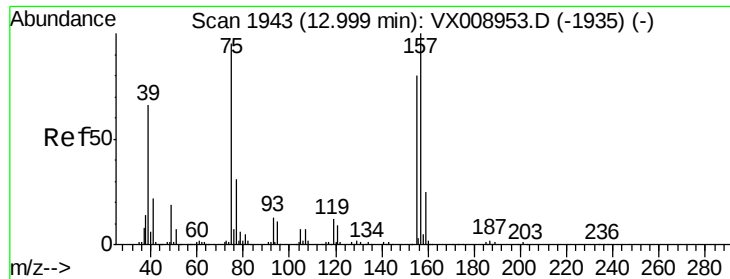


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.163 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

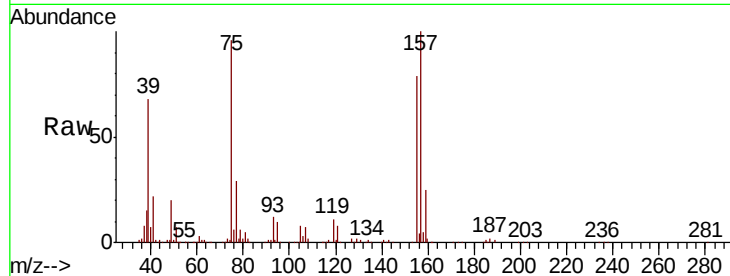
Tot Ion: 75 Resp: 44910

Ion	Ratio	Lower	Upper
75	100		
155	80.3	41.2	123.6
157	102.7	52.5	157.6

75 100

155 80.3 41.2 123.6

157 102.7 52.5 157.6

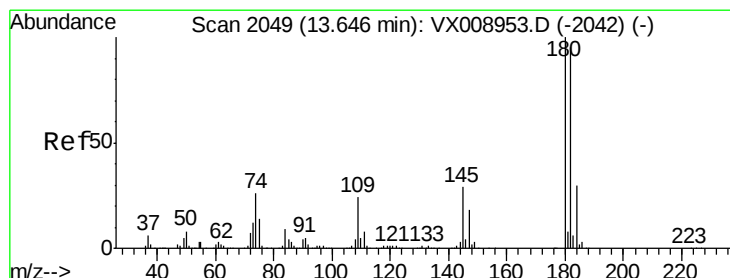
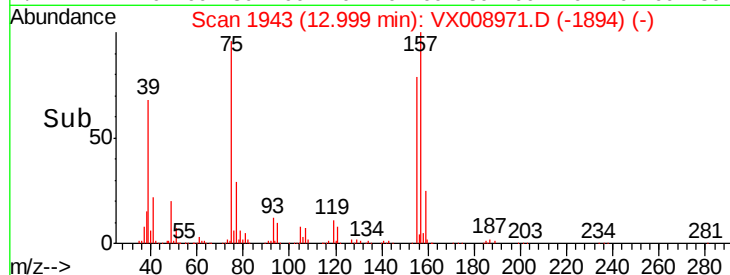
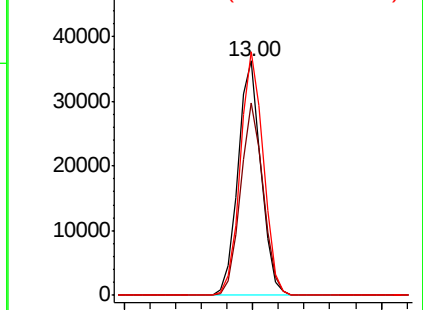


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 51.320 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

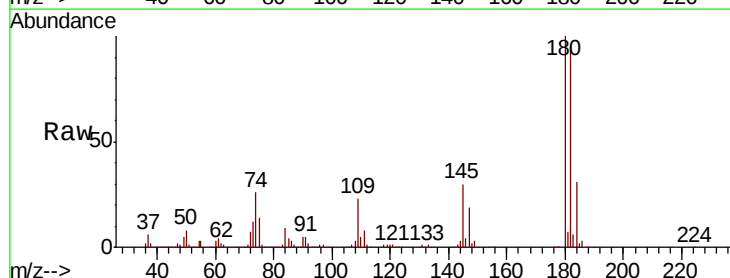
Tgt Ion:180 Resp: 167186

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.9
145	30.1	14.8	44.4

180 100

182 95.4 47.6 142.9

145 30.1 14.8 44.4

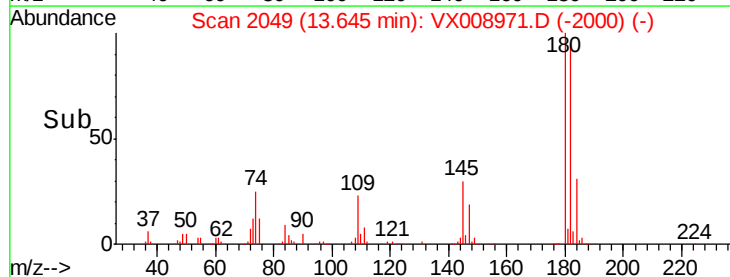
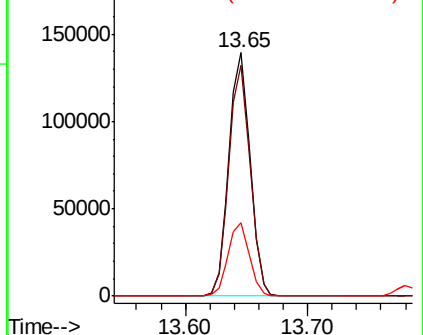


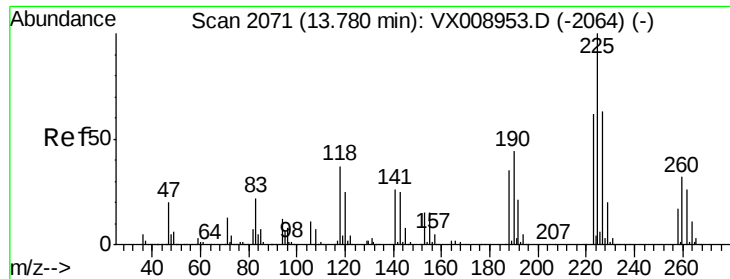
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 50.475 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

M-16-190410MSD

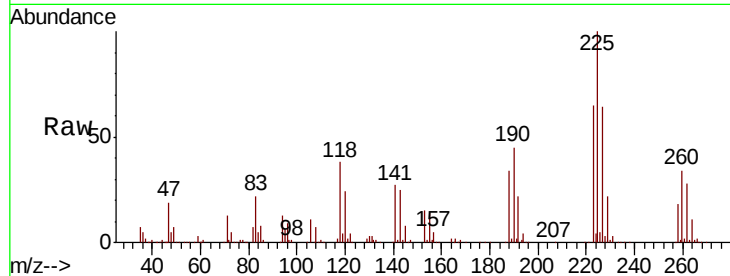
Tot Ion:225 Resp: 82011

Ion Ratio Lower Upper

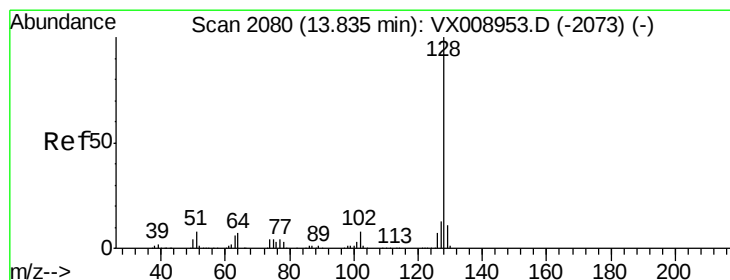
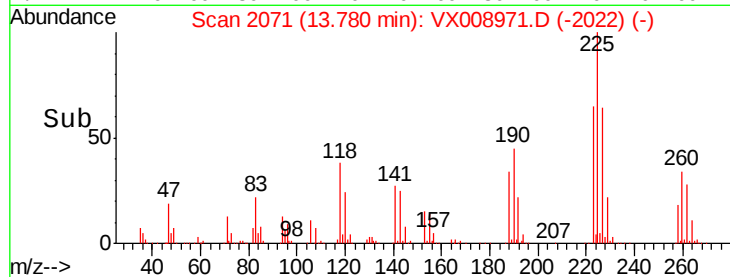
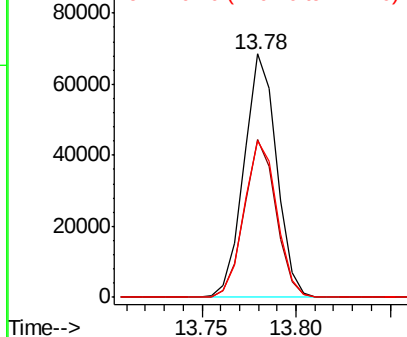
225 100

223 63.4 31.1 93.2

227 64.8 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 52.481 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008971.D

Acq: 15 Apr 2019 19:29

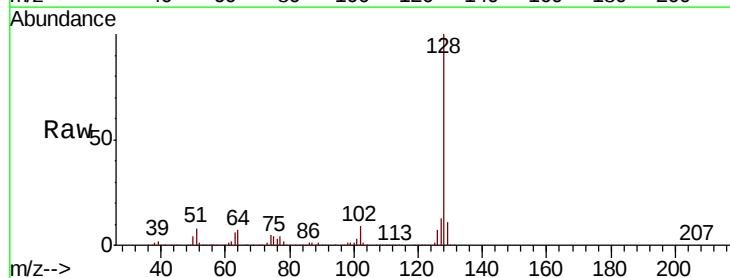
Tgt Ion:128 Resp: 547746

Ion Ratio Lower Upper

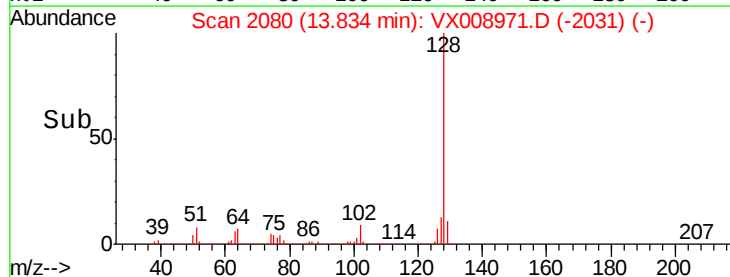
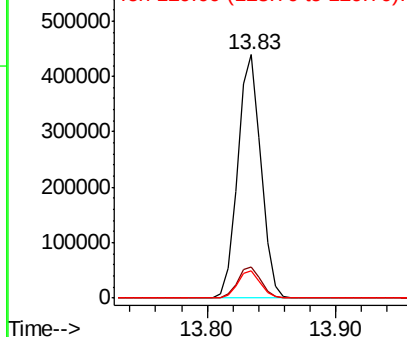
128 100

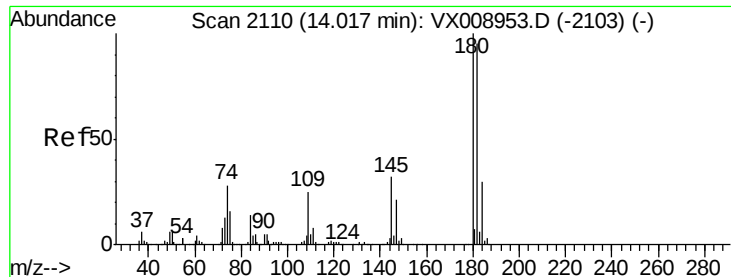
127 13.1 10.6 16.0

129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

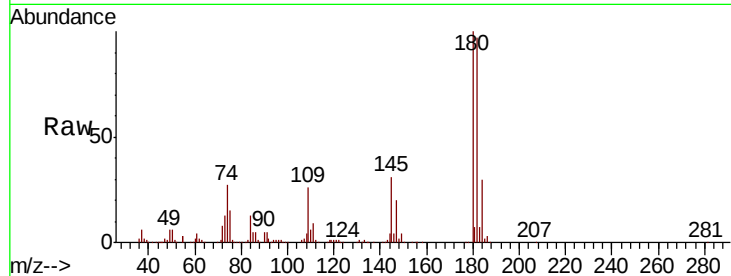




#96
 1,2,3-Trichlorobenzene
 Concen: 51.570 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008971.D
 Acq: 15 Apr 2019 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 M-16-190410MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.4
145	31.6	15.8	47.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

